Massachusetts College Of Optometry

1974-1976

New England College
of Optometry
Library
Boston, Massachusetts

NOT FOR CIRCULATION

Massachusetts College of Optometry

Our mission is to create and to sustain an educational climate in which students, faculty and alumni can learn through active inquiry. Our goals for students are that they come to understand and to apply scientific methods; that they achieve self-discipline and that they make the kind of social commitment which is essential to fulfill obligations of educated professionals.

Optometry consists both of the use of a knowledge of visual science and the application of professional insight into patient care and into the adaption of the visual environment to best suit patient needs. Visual science is not an isolated body of knowledge, but rather it is the organization of all sciences around the theme of light and vision. So one of our principal educational goals relates to mastery by the student of the factual bases of visual sciences as well as those of the underlying physical, biological and behavioral sciences.

The care of patients embraces both science and art. Quality of professional judgment is tempered by professional skill. by commitment to the integrity of reason and by dedication to the needs of others.

We anticipate that students and faculty will fill their days here in industrious and critical inquiry. developing attitudes that reflect the true professional. This is for us an exciting educational climate, and we anticipate continuing productive change will keep it that way.

William R. Baldwin

President

ORGANIZATIONAL STRUCTURE AND PHYSICAL FACILITIES

Massachusetts College of Optometry is a private, independent institution, chartered by the Commonwealth of Massachusetts to award baccalaureate and doctorate degrees in optometry, but receives no financial support from the State. The College, now in its 81st year, has the oldest continuous optometric educational program in the United States.

The central facilities of the College are located on historic Beacon Street bordering the Charles River. These house the academic, administrative and special clinical functions of the Institution. The primary clinical facility of the College is located at 472 Commonwealth Avenue in Kenmore Square. Other clinical teaching facilities are maintained in various clinics and hospitals throughout the metropolitan area.

LOCALE

The Boston Public Library, the ultra-modern Prudential Center, the historic Public Gardens and Boston Common, the theatrical district, the Museum of Fine Arts, Symphony Hall, Fenway Park, Boston University, Northeastern University and the Massachusetts Institute of Technology all lie within a one-mile radius of the College.

COMMUNITY SERVICE

The relationship of the College to Boston is shown not only in geographic location but also in deep community involvement. This is reflected in the affiliations of the College with the United States Public Health Service Hospital. It is evidenced also by participation of the College in various community health projects, by the vision clinic maintained at the Dorchester House Multi Service Center, by the optometric service at the South End Community Health Center and others (see clinic system on page 5.) Additional satellite clinics are being developed so that they may extend vision care to those to whom it is now least available.

SPECIAL PROGRAMS

More clinically-useful information has come from basic and clinical research in the last decade than had existed earlier. Discovery will continue. Practice without external opportunities to learn leads less to perfection than to embedding. Therefore, for the professional, education must be organized to serve career-long. We accept *continuing education* as a major institutional responsibility. We expect to provide continuing education programs which are accessible to all New England optometrists. Emphasis in these programs will be upon the improvement of general patient care. *Post-graduate* education is organized into comprehensive units designed to provide full competence within an area of specialized patient care.

We also recognize an obligation to participate in *graduate education* directed towards the production of more teachers and researchers. Specific programs of research are maintained. These are designed to improve the potential of optometry for optimum patient care. We are attempting to build a climate in which basic and clinical research are encouraged, stimulated and supported.

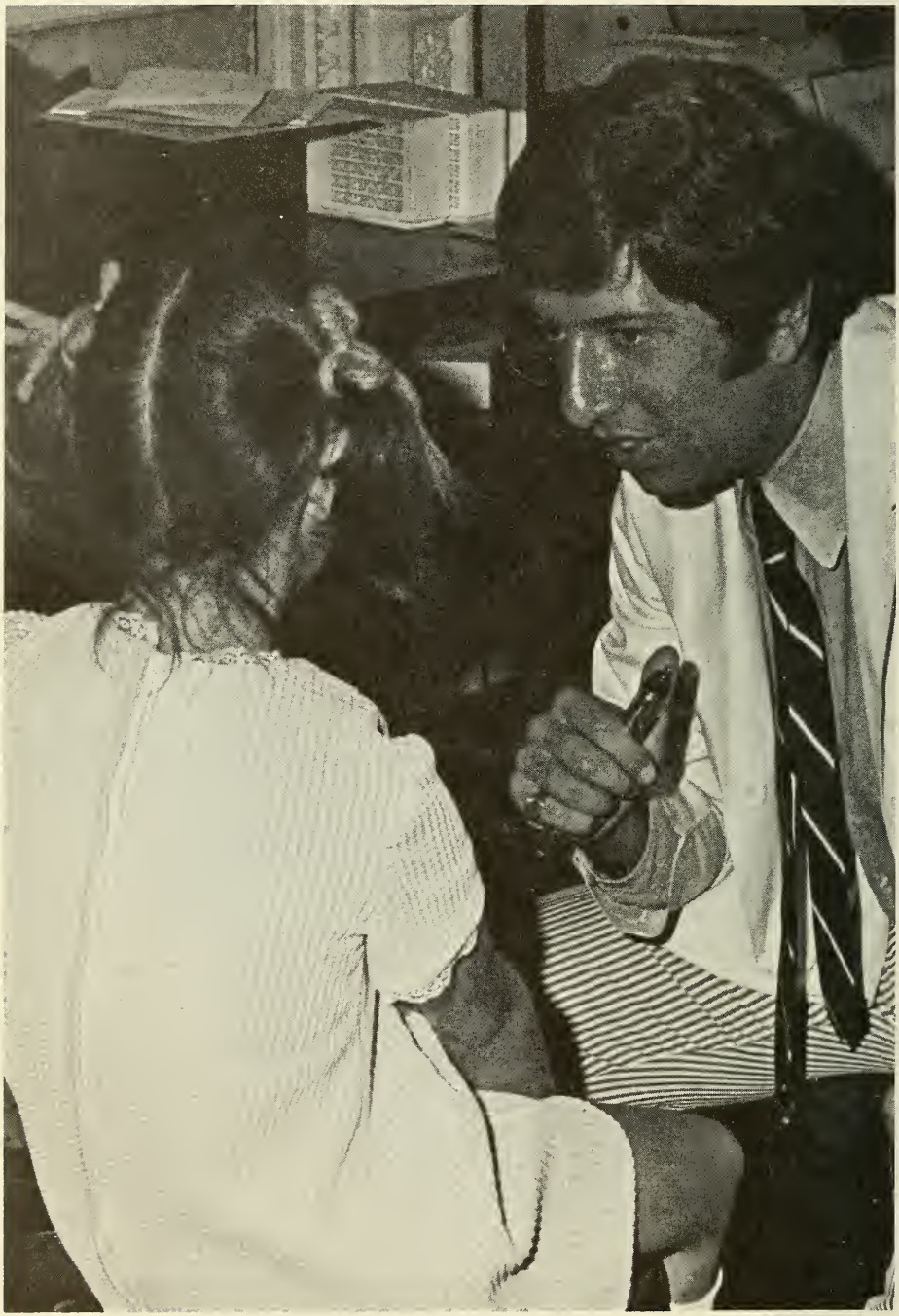
CLINIC SYSTEM

In addition to the MCO General Clinic and specialty clinics (Contact Lens Clinic, Pathology Clinic, Pediatric Clinic, Vision Electrophysiology Clinic and Vision Rehabilitation Clinic), MCO has professional affiliation and clinical rotations in the following clinics: U.S. Public Health Service Hospital Eye Clinic, Hanscom Air Force Base Dispensary, Dimock Community Health Center, Dorchester House Multi Service Center, the South End Community Health Center and others. For full information see page 38.

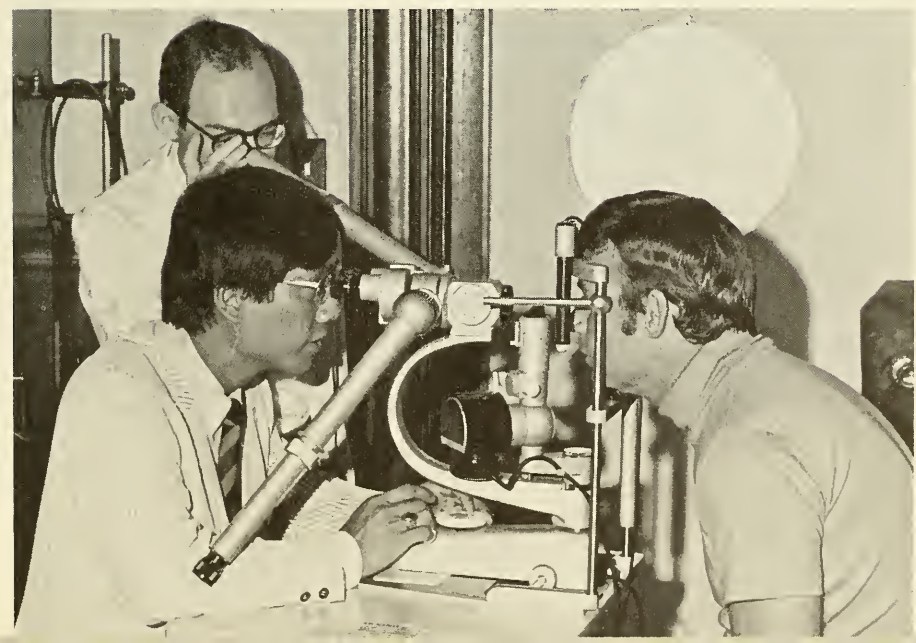
Outreach programs in vision screening and home care provide additional rotation opportunities.

ACCREDITATION

The College is accredited by the Council on Education of the American Optometric Association, the official accrediting body for schools and colleges of optometry. It is approved by the Veterans Administration for study under Public Law 358.



The Profession



MODERN OPTOMETRY

The art and science of vision care optometry has emerged from the days when its professional responsibility was limited to the improvement of visual acuity with corrective lenses. Today's optometrist is trained to deal with a broad spectrum of visual problems. His tools, once only spectacle lenses, have been expanded to include many methods and procedures and a wide array of ophthalmic appliances.

The application of preventive care concepts is gaining much emphasis in optometry, as it has also in a number of other health professions. More and more the optometrist is involved in the modeling of man's environment, in expanding his visual functions and in minimizing the incidence and magnitude of his visual disability.

While, historically, the optometrist has rendered care directly to the patient in a private practice setting, his role in modern health care is changing. Increasingly, he is playing a vital role as a member of a health care team. The team with which he is associated may be oriented solely towards vision care (a vision clinic or an optometric group practice) or it may involve total health care (as in the case of a public health hospital or a clinic which provides pre-paid health care). Optometrists also serve as consultants for school systems, industries and agencies concerned with sight.

An optometrist may choose to concentrate on the problems of a special group, such as the young or the aged; he may choose to serve those with a special problem such as those with strabismus or those with low vision; or he may join the growing ranks of research and teaching optometrists.

REQUIREMENTS FOR PRACTICE

The practice of optometry is regulated independently by each state. While each state requires graduation from an accredited school or college of optometry, it additionally imposes its own unique requirements. States vary as to whether they give their own written State Board Examinations or accept the results of the National Board Examinations. Some states request that students take the National Board Examination in addition to their own written tests. All states require that each candidate successfully complete a practical examination in clinical optometry prior to being granted a license to practice. The prospective student is advised to acquaint himself with the requirements of the state in which he intends to practice by communicating with the Secretary of the Board of Examiners in Optometry of that state.

WOMEN IN OPTOMETRY

With the expansion of the scope of optometry has come an expansion in optometric opportunities for women. Optometry provides a unique opportunity for the woman who wishes to combine a professional career with raising a family.

OPTOMETRY AND MILITARY SERVICE

Selective service regulations for optometrists are governed by the Doctors' Draft Law. A licensed optometrist can be drafted for service only as a professional. Quotas for optometrists are established independently within each of the military services.

Numerous optometrists have spent full professional careers in military service. The scope of optometry is as broad in the armed services as it is in civilian life. Military optometry includes opportunity for both research and clinical practice. Optometrists are also commissioned as officers in the U.S. Public Health Service in lieu of military service.

OUR INSTITUTIONAL MISSION

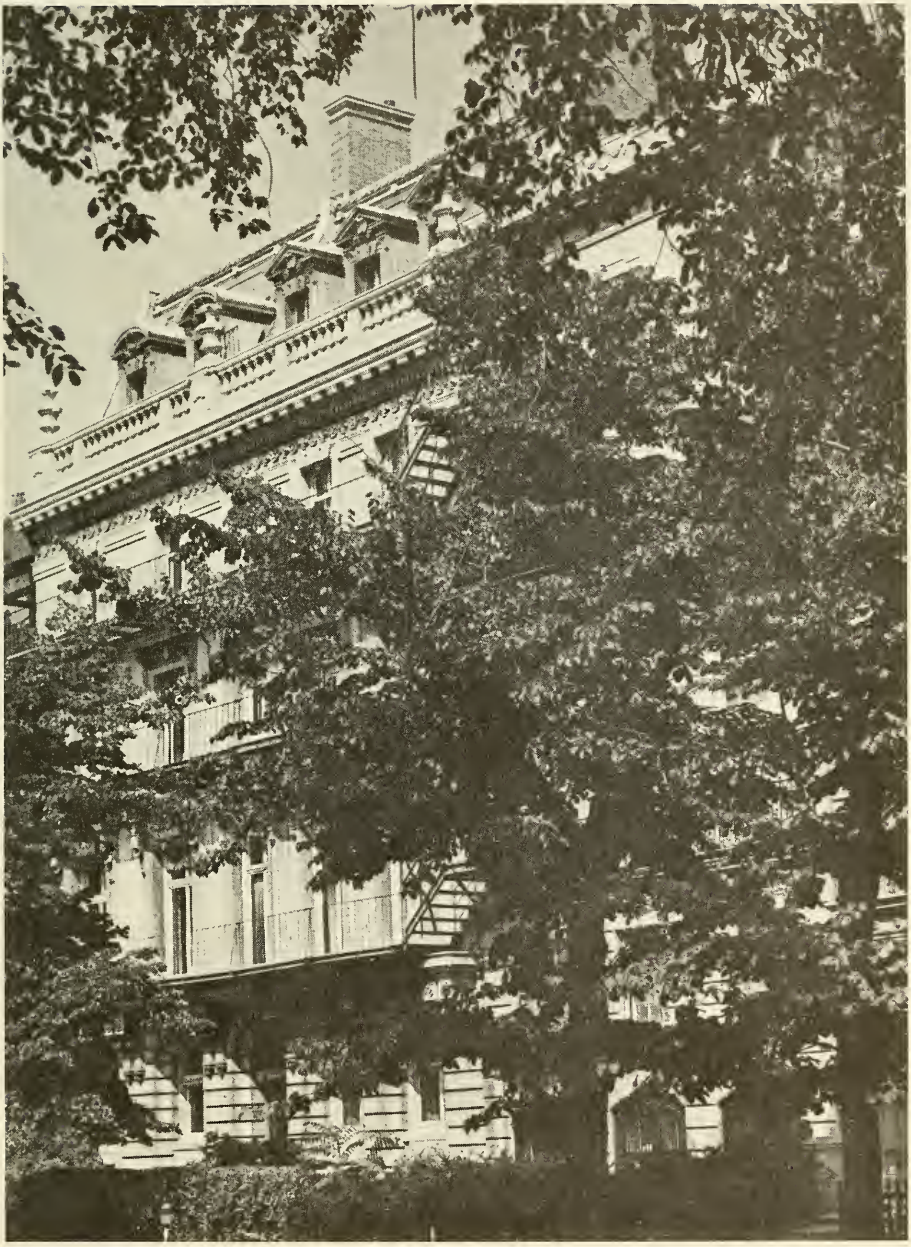
Massachusetts College of Optometry is charged with three major tasks: to provide education necessary to optometry, to conduct research essential to expand knowledge in visual science and to improve patient care. If the College is to fullfill its roles effectively, it must plan sound programs with high relevance to the tasks cited above and it must execute them well. It must also recognize the possibility of future need for sudden and, perhaps, even dramatic changes in program implementation. Therefore, it must maintain flexibility so that such changes, if required, can come easily. Nevertheless, the programs of the College generally must be planned so that frequent modification is not necessary. This is essential because educational and service programs cannot achieve excellence without some measure of permanence.

Our broad objectives are to achieve and to maintain excellence as we fulfill our essential educational roles; as we create and maintain a climate in which vision research is able to flourish; as we strive to improve the quality of optometric patient care; as we exercise leadership in an attempt to bring optometry to its highest potential as a health profession.

Education has become highly institutionalized and its processes much studied but the original equation stands. Education results when those who understand come together with those who want to learn. Self-discipline and commitment must be brought to the task by teachers and by students.

Our primary goal, then, is to bring to the College those who excel in these qualities and to help them achieve success.

The College



FACULTY AND ADMINISTRATION

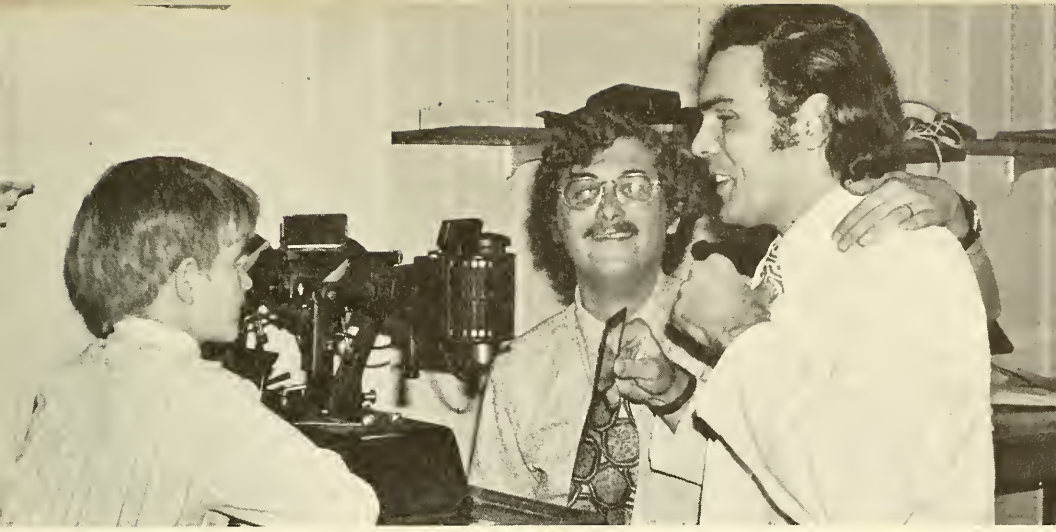
We require that members of the faculty possess those human qualities which we wish to develop in students. Every continuing faculty member must have achieved unusual competence in one or more areas of visual science or patient care. Each must continue to develop his expertise. Every tenured faculty member must excel at:

a) scholarship in his field;
b) ability to teach;
c) empathizing with students;
d) research, clinical practice, administration, and/or professional and public service.

Faculty members must be productive and they must meet high standards of performance within each of the above areas.

We expect to provide an open climate for program improvement and one which encourages personal development. In such a climate, loyalty and critical concern should coexist.

If we are to achieve our educational mission, it is essential that students, faculty and administration agree concerning the nature of our mission and of our educational goals and cooperate in their achievement. We invite critical appraisal in procedural and evaluative matters but seek to prevent contention from dividing us or obscuring our goals.



STUDENTS

We seek students who have special aptitudes for and extensive backgrounds in three broad areas: biological sciences, physical sciences and behavioral sciences.

To the extent that we can assess the following factors, we will attempt to select only students who have:

a) strong commitment to learning;
b) high sense of social concern;
c) great respect for individual dignity;
d) strong desire to become optometrists;
e) ability to understand ideas and to communicate them well;
f) ability to understand the responsibilities and societal obligations of professionals.

We expect students to participate actively in the learning processes available to them at our institution. We expect them to demand and to help provide a climate which is conducive to active learning. We will respond to responsible student evaluation of our educational program. We will provide opportunity and encouragement to those students who wish to pursue special studies and will help students select and secure their career goals.

We view the conferring of the professional degree as a privilege to be earned by disciplined scholarship, by demonstration of a high level of competence, and through the achievement of responsible professional judgment. Whenever it is determined that any of these requirements likely cannot be fulfilled by a student, he will not be permitted to continue in the educational program. Thus, we recognize a need to maintain a student evaluation program that provides for making appropriate assessments of academic proficiency, quality of character and professional ability.

STUDENT INFORMATION

The successful applicant for admission to the Massachusetts College of Optometry officially becomes a student at the time of registration. As a convenience to the student, whether entering or returning, he may pre-register for classes by mail. Necessary material will be sent to students prior to registration. Successful applicants should pay particular attention to the date by which their registration must be completed. It is the student's responsibility to complete his registration properly by the specific date. If he does not do so, he must register in person on the specific registration date.

TRANSFERS

When openings in advanced classes and curriculum patterns permit, the College accepts students who are currently enrolled in an accredited school or college of optometry and who are in good standing. Placement will depend on the satisfactory completion of courses equivalent to those in our curriculum.

Each transfer applicant must complete all of the admission procedures and, in addition, must have official transcripts from his present college of optometry sent directly to the Registrar, along with a letter from the Dean approving the transfer.

WITHDRAWAL

A student in good scholastic standing who is not subject to disciplinary penalties is entitled to honorable withdrawal at any time. A student desiring to withdraw from the College should contact the Director of Student Affairs. A student under the age of consent will be entitled to an honorable withdrawal only if his request to withdraw is accompanied by the written consent of his parent or guardian. If a student ceases to attend classes during the school year without permission from the faculty responsible for each study track involved, he will receive a failing grade.

A student who has been granted an honorable withdrawal from the College may be reinstated within a reasonable period of time, provided that changes in the curriculum do not make such readmission impractical. Decisions in all cases rest with the Student Affairs Committee.

DEFERMENTS

All students making satisfactory progress in an optometry program are deferred from any existing military draft. Since Congress has recognized the importance of optometrists to the maintenance of national health and because of the critically short supply of optometrists, it is unlikely that a change in this policy will occur.

STUDENT AFFAIRS

Faculty advisors have been appointed to assist students with academic and personal problems. Each student is assigned a faculty advisor when he enrolls in the College. A faculty class advisor is selected by each class to serve in that capacity during the four years of study. Every effort is made to detect and correct problems in the early stages. The entire faculty offers to be of asssistance on a personal basis in order that all students may be properly prepared for a professional career. In addition, the College retains an independent professional counselor for individual psychological counseling on either personal or scholastic matters. Such counseling is highly confidential and no report is made to anyone at the College. This service is available to all students at no cost.

COUNSELING

STUDENT ASSOCIATION

The Student Association is the organization to which all students belong. The Student Council is the governing body of this association, and is directly responsible for the operation of the Bookstore and the planning of equipment purchases for the incoming students. The Student Council administers the funds from the Student Activity fee and is responsible for social functions and other student activities. It also fosters student-faculty relations. The Council president is elected each spring by the student body. Representatives are elected by each class to serve on the Council.

STUDENT COUNCIL

CLASS ORGANIZATION

Each class elects a president, two student council representatives and any other officers which it may deem necessary. The officers of the class not only represent the views and goals of that class to the administration of the College, but become also the focus of the organized social activity of the group. Students in each class serve on several committees; included are: curriculum, public relations, recruiting and faculty relations.

STUDENT FACULTY COUNCIL

The Student-Faculty Council consists of four students and three faculty members and is chaired by the Director of Student Affairs. A student member is elected from each class, while the faculty elects its representatives. The Council meets on a weekly basis to discuss any topic which any member cares to introduce. In this manner it is free to review and recommend policies to the administration, the faculty, or the students. The open and frank discussion leads to better understanding of the reasons behind decisions and to fewer misconceptions. Recommendations of the Council are transmitted to the faculty and the Student Council for approval.

AOSA

The American Optometric Student Association is the national organization expressly for optometry students. All students are eligible to become members when they enroll in the program. The Association actively works with the American Optometric Association for the furthering of students' interests as well as the improvement of optometric education, health care delivery and the optometric profession.

BOOKS

The Bookstore is operated by the students under direct control of the Student Council. It supplies students with texts, scientific instruments, equipment and other supplies needed by the students.

CAMERA CLUB

Probably no hobby is more closely related to the technical content of optometry than is photography. The College maintains an active Camera Club. Dark room facilities are available so that students can explore and exercise their interests in this area.

HOUSING

Arrangements have been made with nearby institutions by which our students may live in their dormitories.

The College buildings are located within walking distance of appropriate residential and apartment buildings, as well as public transportation facilities to other areas. Students interested in housing facilities should contact the Director of Student Affairs for further information.

Academic Information

PATTERNS OF STUDY

The four-year (36-month) pattern of education is designed for students entering with collegiate experience up to and including the baccalaureate level. A two-year (24-month) pattern of education has been designed for those who hold the doctorate in an appropriate study area who already have displayed both the ability for independent study and high scholarship.

The following descriptions give more complete information regarding the various programs of study.

REQUIREMENTS FOR ADMISSION

To be considered for admission, applicants must have completed satisfactorily the following:

(1) A minimum of two years work at an accredited college.

(2) Specific Courses:

Chemistry	2 semesters (or equivalent)
English	2 semesters (or equivalent - including composition, or certification of competency composition
Mathematics	2 semesters (or equivalent) including a course in calculus
Physics	2 semesters (or equivalent)
Psychology	1 semester (or equivalent)
Zoology	3 semesters (or equivalent) - including a course in mammalian physiology
Humanities	4 semesters (or equivalent)
Social Sciences	4 semesters (or equivalent)

While not set forth as absolute requirements for admission, the entering student will find it most helpful to have taken at least one semester of organic chemistry and cell physiology and a course in statistics.

Students are selected on the basis of their pre-professional academic ranking, their potential for excelling in the academic and professional training programs and evidence of their potential for becoming exemplary members of the student body through information supplied in applications, scholarship records, pre-admission examinations and interviews.

Students who have completed more than the minimum requirements and who show superior scholastic performance are given preferential consideration. While no minimum cumulative grade point average is specified, the most recent entering class maintained an average G.P.A. of 2.98 in undergraduate studies.

The College receives applications from many more qualified students than can be admitted. It must, therefore, reserve the right to establish criteria by which students are selected.

ADMISSION PROCEDURES

Applications for admission to the College in the classes beginning in July and in September should be filed with the Registrar during the previous fall. Forms may be obtained from the Registrar. Applicants must submit the following:

(1) A completed application form;

(2) Transcripts of all high school and college work, official transcripts being sent directly from those institutions to the Registrar;

(3) Two letters of recommendation from responsible persons, preferably optometrists or other professionals who can evaluate the applicant's potential for a career as an optometrist;

(4) All applicants will be required to submit the results of the Optometry College Admission Test. Applicants should write directly to the Psychological Corporation, 304 East 45th Street, New York, New York, 10017 for details and to make arrangements for this examination.
This test will be given in October, January and March.

(5) Applicants may be invited to come to the College for an interview. However, an interview, while considered desirable, is not required. Appointments for interviews must be made well in advance. If distance or scheduling makes traveling to Boston an impossibility, the College will arrange to have the applicant interviewed in his local area.

All credentials submitted become the property of the College. Those applicants who are being considered for admission may be asked to undergo additional pre-admission testing of their interests, motivation and achievement in the spring of the year of projected matriculation.

Those applicants whose application files are complete will be notified of their status according to the following schedule:

Admission process completed by	Notice of status mailed on
25 November	30 December
25 February	30 March

Applications received after **March 1** may not be considered.

It is the policy of this institution to maintain and foster overall non-discrimination and mandatory and equitable policies as they relate to age, sex, race, creed, or national origin in such areas as admissions procedures, recruitment practices, institutional procedures, student services and functional facilities.

Successful applicants, upon notification of acceptance, are requested to forward a non-refundable deposit of $500 to reserve a place in the entering class. This deposit is credited against the first semester tuition at the time of registraion.

Entering students will be notified of the registration date during the summer; they must submit, prior to that date, copies of complete physical and visual examinations performed during the previous six months. Visual examinations may be taken at the College Clinic.

FINANCIAL INFORMATION

The cost of educating a college student is borne only in part by tuition fees. These fees represent an even smaller part of the cost of providing an education in professional schools. The solvency of an institution depends on numerous external sources of support. Notable among these are the contributions of individual philanthropists and private foundations, as well as funds made available by federal agencies and the contributions of college alumni.

TUITION

The Development Program of the College will reflect itself not only in expanded facilities but also in additional expanded services to the student. This necessitates an increasing expenditure per student which must, ultimately, affect the tuition. The table below shows the tuition for students in each of the professional programs.

TUITION*

Four Year Program

Class	1974-75	1975-76	1976-77	1977-78
First Year	$2500	$2800	$2800	$3000
Second Year	2200	2700	2800	3000
Third Year	2300	2600	2800	3000
Fourth Year	2400	2600	2800	3000

Two Year Program

Class				
First Year	$3000	$3200	$3400	$3600
Second Year	3200	3200	3400	3600

*The Board of Trustees of the College officially establishes tuition each January for the following fiscal year. Therefore, only the 1974-75 tuition figures are fixed. Figures for future years are tentative and represent current best estimates.

If additional academic or clinical work is required during the summer or at any other time when work is not normally prescribed it will be charged at the rate of $55.00 per credit hour.

TUITION DEPOSIT

All accepted students are required to submit a tuition deposit of $500 to reserve a place in the entering class. When the student registers, his tuition deposit will be credited toward the year's tuition. This deposit is non-refundable and cannot be credited toward any other account.

EQUIPMENT

The new student is required to equip himself with hand instruments and a trial case in the first semester. The cost of these items is approximately $450. Instruments are available at the student-run Bookstore. Occasionally, used instruments can be purchased.

BOOKS

Most semester study units will utilize at least one textbook. While it is not the policy of the College to require the purchase of textbooks, their purchase is strongly recommended by the faculty. In general, some copies of each recommended text will be available in the Library but usually not in sufficient numbers to met the full needs of a class. Copies of all recommended textbooks will be available through the Bookstore. The cost of textbooks, during the first two professional years, should not exceed $150 each year. Cost during subsequent years will be substantially less.

FEES

Application fee (payable with application, non-refundable) $50

Late registration fee $15

Tuition, per academic year (payable one-half at begining of each semester) ..... see table on preceeding page

Student Activities fee (determined by Student Council, payable one-half at beginning of each semester) $30

Graduation fee $30

REFUNDS

The College provides all instruction and facilities on an academic term basis; refunds on tuition fees are granted only when unusual circumstances arise.

The College reserves the right to modify or to add to the curriculum, or to change the order or content of tracks of study. It also reserves the right to change its calendar, tuition fee and other fees, the requirements for graduation and other regulations. Any changes in policy will be applicable to all students in the School, including former students who may re-enter.

VETERANS

Massachusetts College of Optometry is approved for study under Public Law 348. Veterans under this law are expected to pay all charges in the same manner as non-veterans. However, the tuition deposit will be returned to veterans when their certificate of eligibility is received by the Registrar.

INSURANCE

While the College does not maintain an insurance program, it does provide information concerning a group insurance plan which includes major medical, illness and hospital benefits. Brochures are mailed directly to the student, who may enroll at his own option. Additional forms are available at registration. Rates for this insurance are relatively low, because it is a group program designed especially for students. Enrollment is open only at the beginning of the school year.

FINANCIAL ASSISTANCE

The College administers funds to aid qualified students in meeting their financial obligations. This assistance may be in the form of scholarships, loans, part-time jobs, participation in the College Work-Study Program or a combination of these. Loans are based on need alone, while scholarships are based on both need and academic achievement.

FINANCIAL AID PROCEDURE

An applicant for financial aid, whether a new or a returning student, must file a *Massachusetts College of Optometry Financial Aid Application* with the Office of Student Affairs. This form is available from the Office of Student Affairs.

Each applicant must file a Student's Confidential Statement (SCS) with the College Scholarship Service, Box 1501, Berkeley, California 94701. These forms may be obtained by writing to the above address, or to the Office of Student Affairs at the College. In some cases, Financial Aid Offices at other colleges and universities will be able to supply these forms for your immediate use.

TYPES OF FINANCIAL AID

LOANS

These loans, unless otherwise noted, are interest-free.

(a) Source: The Rose and David Berlowitz Student Assistance Fund
Amount: $500
Conditions: Needy and deserving
Repayment: Within one year after graduation

(b) Source: Emergency Loan Fund of the Alumni Association of the Massachusetts College of Optometry

	Amount:	$200
	Conditions:	Small emergency loans
	Repayment	Within three months of loan
(c)	Source:	Federal Health Professions Student Loan Program
	Amount:	$3,500 maximum
	Conditions:	(1) Need, and (2) Full-time student
	Repayment:	Ten-year period starting one year after graduation
	Interest:	Beginning one year after graduation, at low, fixed rates

AOA Student Loan Program

Students may borrow up to $1,500 per year - or a combined total of not more than $7,500

Repayment:	Begins on the first day of the tenth month after the student leaves school
Interest:	A maximum of 7% simple interest, the federal government pays the interest during the time the student is in school
Contact:	Write to the American Optometric Association, 7000 Chippewa Street, St. Louis, MO 63119 for an application and further information

Massachusetts Higher Education Loan Plan—assists young men and women of Massachusetts. A student may borrow up to $1,500 a year but not in excess of $7,500 total

Repayment:	Begins not less than nine months after anticipated graduation, with an optional renewal note.
Interest:	7% simple interest per annum
Contact:	Massachusetts Higher Education Assistance Corporation 511 Statler Building Boston, MA 02116 Tel: (617) 426-9434

SCHOLARSHIP AND FELLOWSHIPS:

- The Joseph M. Duffy Fellowship
- The Frederick E. Farnum Fellowship
- The Otto Hochstadt Fellowship
- The Lynnwood W. Storer Fellowship

These fellowships are offered by the College specifically to foster the growth of optometry in underdeveloped countries having populations receiving minimal visual care or to improve the visual care of deprived socio-economic groups within the United States.

Amount: Full Tuition

Conditions:
(1) Demonstrated academic achievement
(2) Need
(3) Must represent an ethnic or racial minority group within the United States, or come from a nation which receives less than adequate vision care

Deadline:
(4) Must apply for admission to the College prior to March 1 of the year preceding desired admission

MASSACHUSETTS SOCIETY OF OPTOMETRISTS SCHOLARSHIP

Amount: $200 annually (up to four awarded)

Conditions:
(1) Resident of Massachusetts attending any accredited school of optometry
(2) Promise of achievement in the study of optometry
(3) Need
(4) May be renewed if student is in first half of class and demonstrates continued need for financial assistance

ALUMNI ASSOCIATION TUITION SCHOLARSHIP

Amount: $200 toward tuition

Conditions:
(1) Student in fourth professional year
(2) Need and academic ability

ALUMNI ASSOCIATION TUITION SCHOLARSHIP

Amount: Two scholarships, $300 each, toward tuition

(1) Student in other than fourth professional year
(2) Must assist officers of Alumni Association
(3) Need

NIKON SCHOLAR AWARDS

All first year students are eligible to compete for these continuing scholarships. Applications are available from—

Contact: Nikon Scholar Awards
Nikon, Inc.
Ehrenreich Photo Optical Industries, Inc.
623 Stewart Street
Garden City, NY 11530

GEORGE COMSTOCK SCHOLARSHIP

Condition: Connecticut residents only.
Contact: Dr. Thomas Lane
162 Main Street
Watertown, CT 06795

STATE OF CONNECTICUT SCHOLARSHIP PROGRAM

Contact: Miss Marjorie E. Schoepps
State of Connecticut Scholarship Program
Educational Testing Service
Princeton, NJ 08540

MASSACHUSETTS STATE SCHOLARSHIPS

Condition: Massachusetts residents only (no previous Bachelor's degree)
Contact: Miss Catherine Gerhardt
Massachusetts Board of Higher Education
Boston, MA 02111
Tel: (617) 727-5366

NEW YORK OPTOMETRIC COUNCIL SCHOLARSHIP

Amount: One award of $500 per year for each of the remaining three years of optometric study

Conditions:
(1) Open to students who are successfully completing their first year of optometric study
(2) Maintenance of good scholastic standing and good moral character
(3) Financial need
(4) Preference to New York State resident

Deadline: Application must be filed with the Director of Student Affairs during the month of February of the first year.

WOMEN'S AUXILIARY, MASSACHUSETTS SOCIETY OF OPTOMETRISTS

Amount: $200, toward tuition, matched by the College

Conditions:

(1) Resident of Massachusetts signifying his intent to practice in the Commonwealth

(2) Student in good standing

(3) Student in his fourth professional year

(4) Need

FEDERAL HEALTH PROFESSIONAL SCHOLARSHIP

Amount: Maximum of $3,500 per year for each of the four professional years. These depend upon Congressional action and vary from year to year.

(1) Student must demonstrate financial need

(2) Student may apply after admission to the first professional year or during subsequent year.

COLLEGE WORK-STUDY PROGRAM

The work-study program is designed to give the needy student an opportunity to supplement his income through part-time work at the College. The student may work at activities ranging from building maintenance to providing assistance in various teaching laboratories. The federal government, which subsidizes this program, permits up to an average of 15 hours of work per week. Applicants must exhibit need for financial assistance in order to pursue the course of study. Preference must be given to students from lowest income families.

All students are urged to check with their local optometric association for other available scholarships and loans.

1974 - 1975

ACADEMIC AND CLINICAL CALENDAR

for the

FIRST, SECOND AND THIRD YEAR STUDENTS

Fall Semester

3	September	Registration for 2nd and 3rd year students. Tuition due.
4	September	Classes begin for registered students. Registration and orientation for 1st year students. Tuition due.
5	September	Classes begin for 1st year students.
18	September	Free day - classes cancelled for faculty and other meetings.
26	September	Religious holiday. No classes or laboratories.
30	September	Clinical program begins for 2nd and 3rd year students.
14	October	Columbus Day. College and General Clinic closed.
28	October	Veterans Day. College and General Clinic closed.
30	October	Free day - classes cancelled for faculty and other meetings.
19	November	Free day - classes cancelled for faculty and other meetings.
28-29	November	Thanksgiving Recess. College and General Clinic closed.
10	December	Free day - classes cancelled for faculty and other meetings.
17	December	Registration for spring semester. Tuition may be paid at this time.
19	December	Classes end. General Clinic ends for 2nd and 3rd year students.
20-21	December	Final exams in terminating courses and in other courses at the discretion of the instructor.
21	December	Fall semester ends on Saturday at 6:00 p.m.

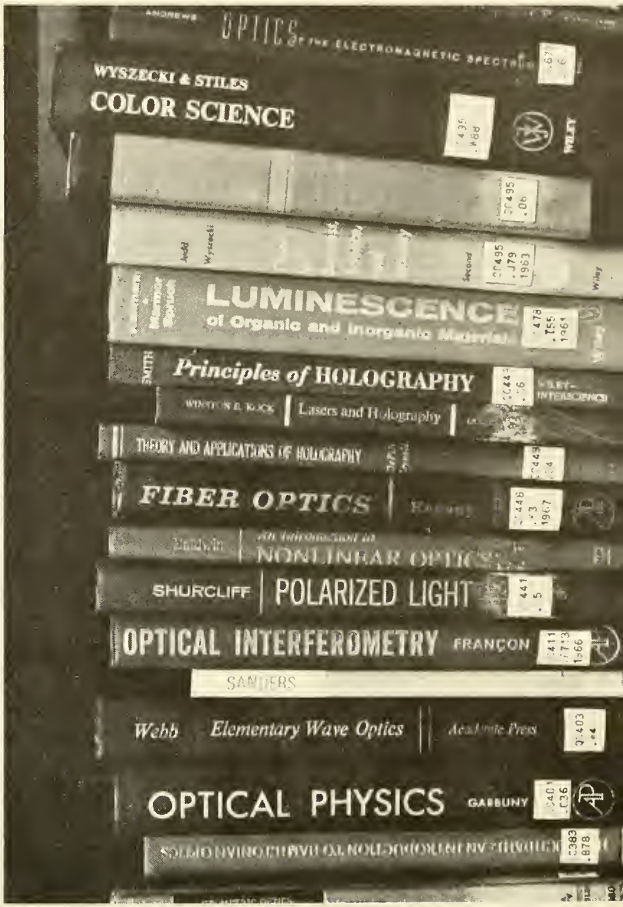
Spring Semester

6	January	Classes resume. General Clinic resumes for 2nd and 3rd year students. Tuition due.
7	February	Vacation begins. Classes and General Clinic for 1st, 2nd and 3rd year students end at 6:00 p.m.
18	February	Classes and General Clinic resume.
21	March	Vacation begins. Classes and General Clinic for 1st, 2nd and 3rd year students end at 6:00 p.m.
29	March	Awards Banquet
5 April 30	~~March~~	Commencement
6 April 31	~~March~~	Classes and General Clinic resume.
21-23-28-29	~~April~~	National Boards.
2	May	Spring semester ends.
5-9	May	Final exams.
12	May	Volunteer General Clinic for qualified students.
20	June	Volunteer General Clinic ends at 6:00 p.m.

Any student, by notifying in writing the appropriate Clinic Director at least (1) week in advance, will be excused from clinical assignments on recognized religious holidays.

All dates subject to change.

Curriculum


OPTICS of the ELECTROMAGNETIC SPECTRUM
WYSZECKI & STILES
COLOR SCIENCE
LUMINESCENCE
of Organic and Inorganic Materials
Principles of HOLOGRAPHY
Lasers and Holography
THEORY AND APPLICATIONS OF HOLOGRAPHY
FIBER OPTICS
an introduction to
NONLINEAR OPTICS
SHURCLIFF
POLARIZED LIGHT
OPTICAL INTERFEROMETRY
FRANÇON
SANDERS
Webb
Elementary Wave Optics
Academic Press
OPTICAL PHYSICS
GARBUNY

PROFESSIONAL CURRICULUM GOALS

The primary purpose of the professional curriculum is to produce optometrists who will provide general optometric patient care. The curriculum then must be organized towards the specific things we expect optometrists to do. This can be achieved by a curriculum designed to serve the following objectives:

EDUCATIONAL OBJECTIVES

1. General education to ensure development of scholarly curiosity, cultural and intellectual growth, the capacity to assimilate and communicate ideas, and the ability to evaluate quality of thought.
2. Education in the sciences to provide an understanding of the concepts, the content, and the methods of the natural physical and behavioral sciences. Special emphasis should result in knowledge of and respect for research design and methodology.
3. Education in visual science to reveal the application of the natural, physical and behavioral sciences to light and vision, to provide a knowledge of the content and sources of relevant, primary information, and to convey a sense of the history of visual science.
4. Education and training in professional studies with emphasis on the development of penetrating insights and judgments and upon the application of such skills as should give rise to superior professional competence.
5. Clinical training which coordinates the scientific aspects of the art of patient care with social and ethical concerns.
6. A professional perspective and frame of reference that assures an appreciation for the history and roles of optometry and of public health. This demands continuous personal and professional development, intellectual and ethical integrity, compassion, and respect for the dignity of man.

The curriculum is designed also to provide for additional aspects of the institutional mission which include:

a) individual student choices to pursue independent interests;
b) appropriate evaluation of student performance;
c) integration of visual science with patient care;
d) continuous curriculum evaluation and mechanisms to facilitate curriculum modification;
e) the addition of new clinical procedures as they develop and as they are validated.

The professional curriculum is organized around ten major subject areas - five within each two major divisions:

Visual Science	**Patient Care**
Physiological Optics	General Optometry
Behavioral Sciences	Pediatric Optometry
Physiological Sciences	Clinical Pathology
Optics	Rehabilitative Optometry
Environmental Vision	Social Optometry

This organization has been developed not only because it fulfills our major curriculum purposes but it also serves to:

a) give faculty members with advanced academic training within one or another of the major sciences a common meeting ground with each other, with optometrists, and with those with advanced training in physiological optics;

b) encourage organization of research around two major goals: expansion of basic knowledge and improvement of patient care;

c) minimize fragmentation of units of study;

d) provide closely correlated areas between and with visual science and patient care;

e) permit special studies by both students and graduate optometrists within those specific areas that are appropriate to the pursuit of their individual careers.

We believe the curriculum must be designed, executed, evaluated and improved in its totality, not in pieces. The track concept, team teaching and the relationship of divisional directors to each other and to be the track coordinators is meant to fulfill these goals.

Demonstration and small-group discussion sessions are part of the teaching program in every track. Science and clinical laboratories are designed to yield an understanding of concepts; to provide for analysis of problems, and to facilitate the learning of procedures and the mastery of skills.

The primary purpose of the clinical clerkship is to provide a climate within which a student may learn how to identify problems and how to solve them by working closely with experts. Each student is expected to perfect his clinical skills and to improve his professional judgments outside the curriculum structure as well as within it.

Perhaps the most effective learning comes from individualized study. We attempt to steer students into channels of individual study that are appropriate remedially and/or

into those which will serve special student interests or special aptitudes. The vehicles for this are assigned reading; assigned library research; participation in specially designed field studies; and practice in special clinic environments. Programmed instruction and audio-visual techniques are being developed to enhance group learning experiences.

PROFESSIONAL DEGREE PATTERNS

Two patterns of education leading to the O.D. degree are offered by the Massachusetts College of Optometry. These include a program of four (academic) years for students with two to five years of collegiate preparation; and a program of two (calendar) years for those who have an earned doctorate in one of the sciences. The courses of study are divided into two major areas: Visual Science and Patient Care. Each division is, in turn, divided into tracks of study. One faculty member serves as the coordinator for curriculum planning and execution in each track. Subjects, themes and concepts are organized within each track rather than within smaller course units. The coordinators in concert are responsible for relating tracks to each other and to a cohesive whole.

DIVISION OF THE VISUAL SCIENCES

Purpose, Structure, and Content of the Division of Visual Science.

The Division of Visual Science of the College is charged with instruction in the basic sciences and other non-patient related aspects of optometry. Its principal goals are: a) to provide each student with an awareness and understanding of the scientific method; b) to stimulate student interest in learning for the sake of learning and to enhance the ability of the student to acquire knowledge independently; c) to provide the student with that depth and breadth of general knowledge which the public has a right to expect of a practicing professional; d) to provide the student with an amount of factual information and conceptual knowledge which will be needed in his subsequent encounters with the specialized study of optometric procedures; and, e) to provide, through elective courses, depth of understanding within selected areas of individual interest which relate to visual mechanisms and/or visual function.

There are five tracks within the Division of Visual Science. Descriptions of each of these follow. Course number designations for courses offered within a track are listed below each track name.

Physiological Sciences Track

Required Studies: VS 341, 342, 441, 442

In this track the student studies biochemistry, cellular biology, general human physiology, the structure and function of the nervous system and pharmacology. Its primary purpose is to provide the student with an understanding of normal and abnormal functions of human organisms with special emphasis on: a) the function of the nervous system, b) abnormalities of systemic functions that influence vision, and c) the effects of toxic and pharmacologic agents upon the eye and upon visual function.

Behavioral Sciences Track

Required Studies: VS 352, 452, 551

In this track, the student will extend his basic understanding of psychology with particular emphasis upon how psychological processes influence seeing. He will learn how motivational, learning, and personality factors combine with vision to influence visual perception and perceptual-motor behavior. A considerable amount of emphasis will be placed upon vision-related experimental psychology and the student will learn techniques for the design and evaluation of experiments, as well as psychophysical methodology, and the statistical analysis of data. A final major thrust will be upon clinical application of psychological principles. It will deal both with the psychological aspects of visual problems and with methods used by the optometrists as he interviews and counsels patients.

Optics Track

Required Studies: VS 331, 332, 431, 432

The principal function of the optics track is to provide the student with a comprehensive knowledge of image formation and the methodology of image analysis, including modern analysis by way of the so-called "modulation transfer function." Starting with the elements of reflection and refraction and the optical properties of simple mirrors and thin lenses, the course proceeds with the characteristics of more complex optical devices. The student comes to understand something of the physical basis for light and he learns the elements of radiometric quantity. He obtains a qualitative understanding of lasers, static and dynamic fiber optic systems, and other developments in "modern optics." The course culminates in detailed studies of the principles of ophthalmic lenses and concepts employed in ophthalmic optical design.

Physiological Optics Track

Required Studies: VS 321, 322, 421, 422, 620

Physiological optics is the science which deals directly with the eye and vision, so the physiological optics track is designed to consider all of the diverse aspects of ocular structure, physiology, and function, as well as the various processes involved in vision. Included within the content of the physiological optics track are the anatomy and vegetative physiology of the eye, visual optics, the neurology of vision, motor mechanisms in vision, the geometry of eye movements, electrophysiological correlates of vision, and the sensory and perceptual aspects of vision, including the geometry of visuo-perceptual spatial localization.

Environmental Vision Track

Required Studies: VS 562, 661

The environmental vision track applies the knowledge of physiological optics to the visual environments of individuals or groups to enhance visuo-motor performance as well as ocular safety, comfort, and general efficiency in seeing. Principles of illumination practice are used in problems which relate to the design of the vocational or other visual environment and illumination standards are set forth for a variety of occupational and avocational visual task situations. Methods to protect against ocular damage from high energy radiation sources, including lasers, are discussed in depth. Finally, the student gains practical experience in environmental optometry through participation in vision-related programs sponsored by the College for various research, military, and industrial groups.

DIVISION OF PATIENT CARE

Purpose, Structure, and Content of the Division of Patient Care

The Division of Patient Care is charged with the responsibility of instructing students in the art and science of optometric patient care. Its principal educational objectives are:

(a) to teach the student how to apply his knowledge of visual science to the prevention and amelioration of human problems;

(b) to help the student develop the insight and judgments essential to a high standard of professional competence;

(c) to stimulate the student's social awareness;

(d) to help the student appreciate optometry's responsibility to public health;

(e) to engender an appreciation for the necessity of continued education throughout the student's professional career.

There are five educational tracks within the Division of Patient Care. Each educational track involves both didactic and clinical study. An outline of the course of study within each track is presented below. Course number designations are listed below each track name.

Clinical experience in general optometry begins during the first professional year during which time students learn how to conduct an optometric examination. During the second professional year, the students experience vision screening and participation in the general clinic. In the third professional year, the student serves as a primary professional under the preceptorship of faculty members in this general clinic. Also during this year, the student develops his skills in special procedures such as contact lens fitting, visual field testing, aniseikonic testing, and in the evaluation of unique binocular problems. During the fourth professional year, clinical preceptors encourage the student to accept broader responsibility in the diagnosis and treatment of special optometric problems. It is during this year that the student learns to fulfill his role as a member of the larger health team through participation in the College's extramural clinical program. This program, based in several hospitals and neighborhood health centers, allows the student to render optometric care within an interdisciplinary setting to patients exhibiting a wide variety of visual problems. For more detailed information, see page 38.

General Optometry Track

Required Studies: PC 321, 322, 421, 422, 521, 522, 620, 621

Studies in this track embody the core of knowledge that the optometrist exercises in the practice of his profession.

Social Optometry Track

Required Studies: PC 331, 332, 531

This track provides studies in the history and scope of optometry, the history of visual science, the demography and epidemiology of visual conditions, the delivery of health care, optometry's role in public health, optometric economics and practice management. The responsibility of a professional to his patient, to his

colleagues and to his community is emphasized. Special emphasis is given to the identification of non-visual problems that may be encountered by the optometrist and which he will refer in order that they may be solved by other health care professionals.

Clinical Pathology Track

Required studies: PC 441, 541, 542

This track builds upon knowledge gained from the physiological sciences and from physiological optics. Prerequisite studies include the structure and function of the visual system, physiological chemistry and pharmacology. In the clinical pathology track, the student receives instruction in the recognition and diagnosis of pathological condition of the eye, its adnexa and the visual pathway. He learns the nature and significance of pathologically-induced changes in the visual fields and he studies systemic diseases which have ocular manifestations. Instruction in this track includes classroom lecture, clinical demonstration, seminar and clinical experience under the guidance of clinical preceptors.

Pediatric Optometry Track

Required studies: PC 551, 552

The visual care of children, through the application of knowledge of visual science and understanding of problems unique to children, is emphasized in this track. Consideration is given to the various visual problems presented by children from the routine to the highly complex. Special emphasis is placed on sensory, perceptual, and motor problems associated with children's vision. These aspects are emphasized further through the students' clinical experiences in the pediatric clinic, where visual training, orthoptics, pleoptics, and routine children's vision examinations are conducted. Additional experience in pediatric optometry is gained in outreach programs.

Rehabilitative Optometry Track

Required studies: PC 561, 562

This tract is concerned with the body of knowledge needed to examine, diagnose and treat those with unique visual problems which require significant rehabilitative effort. Examples of such cases are patients with low vision, aniseikonia, aphakia, and certain binocular anomalies.

Instruction in rehabilitative optometry includes classroom lecture, demonstration, and direct patient care experience in the Rehabilitation Clinic.

Interdisciplinary Courses

PCVS 610 (Clinical Pharmacology) includes basic pharmacology principles taught by the Physiological Sciences Track of the Visual Sciences Division. Instruction in the proper clinical use of selected ophthalmic drugs will be provided by the Patient Care Division.

The Division of Special Studies

The Massachusetts College of Optometry has developed two patterns of education leading to the Doctor of Optometry degree (O.D.) which take advantage of extensive prior educational experiences and backgrounds of entering students. The administration of these programs is coordinated within the Division of Special Studies. The division also has the responsibility of organizing and providing educational programs which are not part of the regular O.D. program.

Included within this division, then, are the Post-Graduate and Continuing Education Programs, Graduate Education Programs, Optometric Technicians' and two-year programs of study towards the O.D. degree. Concerning the accelerated O.D. programs, the Divisions of Visual Science and Patient Care are directly responsible for the quality and format of the educational offerings; the Division of Special Studies is responsible for the organization and management of the programs.

MCO CLINIC SYSTEM

MCO clinics offer optometric students and student technicians an opportunity to gain broad clinical experience under qualified teachers. The clinics specialize in prevention and treatment of various eye conditions.

Through the clinic system, each student meets a broad spectrum of patients, practices a comprehensive range of eye-care skills under professional supervision, becomes familiar with different systems for the delivery of health services, and learns how to work effectively with practitioners from other health disciplines.

There are four kinds of clinic affiliations in the MCO system: general vision care clinics, neighborhood health centers and multi-service agencies eye clinics, specialty clinics, and outreach programs.

General Clinics

General clinics admit a cross-section of patients, both young and old, from many localities and economic levels. Comprehensive diagnostic and therapeutic services are available. Optometrists, ophthalmologists, optometric technicians, optometric students and optometric student technicians staff these clinics.

The general clinics are the MCO General Clinic (Boston), the U. S. Public Health Service Hospital Eye Clinic (Brighton), and the U. S. Air Force Clinic at Hanscom Field (Bedford).

Neighborhood Health Centers and Multi-Service Agencies

Eye care is available as part of more comprehensive health programs. Patients usually come from the general area in which the center is located but patients from other areas are served at the health center. The following centers operate with MCO professional support:

Dimock Community Health Center (Roxbury). The eye-care service is operated in cooperation with the Department of Ophthalmology at Beth Israel Hospital.

Dorchester House Multi-Service Center (Dorchester).

South End Community Health Center (Boston).

Specialty Clinics

The clinics provide specialized services upon referral from MCO general clinics, neighborhood health center clinics or private practitioners. The following specialized facilities are available:

Pathology Clinic (Boston). Services include ophthalmological examination and treatment (eye conditions requiring highly specialized services are referred to Boston University Medical Center or Beth Israel Hospital).

Pediatric Clinic (Boston). The Pediatric Clinic identifies and treats children's visual, perceptual, and visually-oriented disability problems. The clinic offers the services of other allied professions in order to achieve its goals of providing comprehensive vision care.

Vision Electrophysiology Clinic (Boston). Highly specialized equipment is used for evaluating the visual problems of children and adults who cannot respond to ordinary testing. Infants and severely retarded children are most frequently seen at this clinic.

Vision Rehabilitation Clinic (Boston). Low vision evaluation and prescription of low vision aids are primary services of this clinic. In addition to low vision cases, the clinic staff deals with other special problems such as aniseikonia and conditions affecting binocular vision.

Outreach Programs

Community Programs for Vision Screening. Staff and equipment for general vision screening are set up in neighborhoods, Boston Public Schools, in housing developments or at industrial plants where large numbers of workers are concentrated.

Home Care. House calls and visits to nursing homes are arranged in cases where the patient is unable to visit a private practitioner or clinic.

Other clinic rotation locations

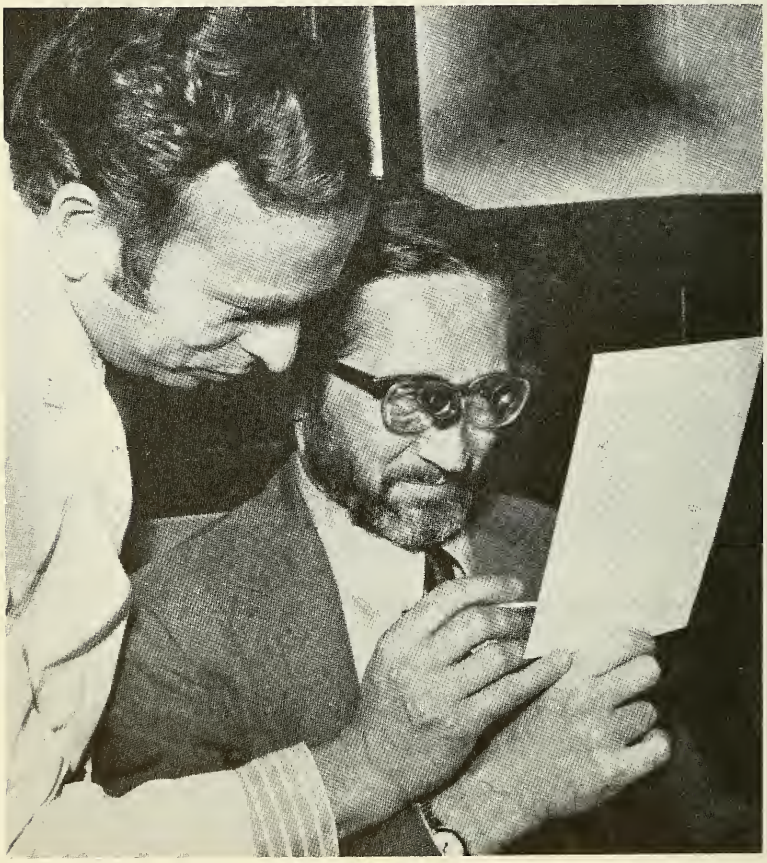
Other locations where students receive clinical experience include The Eurice Kennedy Shriver Center at the Walter E. Fernald State School (Waltham), the Visions Rehabilitation Clinic of the Gunderson Eye Clinic at Boston University

Medical Center (Boston), Central State Hospital (Milledgeville, Georgia), Joslin Diabetic Foundation Eye Unit (Boston), National Health Council Demonstration Project—student health care teams in rural areas (Augusta, Maine), General Jewish Hospital (Jerusalem, Israel), and Fort Devens Optometry Clinic (Fort Devens).

Clinic rotations are also available with private practitioners of optometry and ophthalmology through MCO externships.

Additional clinical rotations are available for optometric student technicians only at the Beth Israel Hospital (Boston), the M.I.T. Medical Department Eye Clinic (Cambridge) and the Massachusetts Laborer's Vision Clinic (Boston).

Certain faculty participate in the intramural practice of optometry at the college's clinics and other share joint appointments at instituions such as the Harvard Community Health Plan.



CURRICULUM CALENDAR*

First Professional Year

Fall Semester

Below are the courses of the first professional year. Please see Assignables on page 40 of this catalog. Also note that VS 240 will be required of those students who have not had adequate preparation in Organic Chemistry and in Cellular-Physiology. VS 250 will be required of those students who have not had adequate preparation in Statistics.

Course *	Course Title	Credit Hours
VS 321	Physiological Optics I	5
VS 331	Optics I	5
VS 341	Physiological Science I	4
PC 321	General Optometry I	3
PC 331	Social Optometry I	2
		19

Spring Semester

VS 322	Physiological Optics II	5
VS 332	Optics II	4
VS 342	Physiological Science II	4
VS 352	Behavioral Science I	3
PC 322	General Optometry II	3
PC 332	Social Optometry II	2
		21

Second Professional Year

Fall Semester

Course *	Course Title	Credit Hours
VS 421	Physiological Optics III	5
VS 431	Optics III	3.5
VS 441	Physiological Science III	3.5
PC 421	General Optometry III	7
PC 441	Ocular Pathology I	2
		21

Spring Semester

VS 422	Physiological Optics IV	5
VS 432	Optics IV	2
VS 442	Physiological Science IV	3
PC 422	General Optometry IV	7
VS 452	Behavioral Science II	3
		20

*The College reserves the right to make any necessary changes in the offerings without prior notice.

Third Professional Year

Fall Semester

Course *	Course Title	Credit Hours
PC 521	General Optometry V	6
PC 531	Social Optometry III	2
PC 541	Ocular Pathology II	2
PC 551	Pediatric Optometry I	4
PC 561	Rehabilitative Optometry I	3
VS 551	Behavioral Sciences III	4
		21

Spring Semester

PC 522	General Optometry	6
PC 532	Social Optometry IV	2
PC 542	Ocular Pathology III	2
PC 552	Pediatric Optometry II	4
PC 562	Rehabilitative Optometry II	3
VS 562	Environmental Vision I	3
		20

Fourth Professional Year

Unlike the first three years, the fourth professional year functions on a quarter system. This allows for more effective scheduling of various specialty and external clinical activities. Each fourth-year student must complete one didactic quarter and two clinical quarters.
Fourth year credits are given below in quarter-hours, with the approximate semester-hour equivalent shown parenthetically.

Didactic Quarter

Course *	Course Title	Credits
PC/VS 610	Clinical Pharmacology	4 (3.2)
VS 620	Special Topics in Visual Science	2 (1.6)
PC 620	Special Topics in Optometry	2 (1.6)
PC 621	Minicourse Sequence; Selected Topics	5 (4)
PC 630	Social Optometry V	5 (4)
VS 661	Environmental Vision II	4 (3.2)

Each student must take PC 622. He may take also PC 623, or he may substitute PC 652 or PC 662. Participation in PC 652 or PC 662 requires the consent of the Directors of Clinics and the director of the appropriate specialty clinic.

Course *	Course Title	Credit Hours
PC 622	Optometry Clinic (Including Pathology Clinic Activities)	9 (7.2)

Optometry clinic must be taken for one clinical quarter and one of the three courses below for the second clinical quarter.

PC 623	General Clinic	9 (7.2)
PC 652	Pediatric Specialty Clinic	9 (7.2)
PC 662	Rehabilitative Specialty Clinic	9 (7.2)

First quarter term July, August, September
Second quarter term October, November, December
Third quarter term January, February, March
Fourth quarter term April, May, June

VS 665	Readings in Environmental Vision	Arr
VS 666	Special Problems in Environmental Vision	Arr
VS 669	Research in Environmental Vision	Arr

Division of Patient Care

PC 625	Special Problems in General Optometry	Arr
PC 635	Special Problems in Social Optometry	Arr
PC 645	Special Problems in Clinical Pathology	Arr
PC 655	Special Problems in Pedatric Optometry	Arr
PC 665	Special Problems in Rehabilitative Optometry	Arr
PC 626	Special Clinical Studies in General Optometry	Arr
PC 656	Special Clinical Studies in Pediatric Optometry	Arr
PC 666	Special Clinical Studies in Rehabilitative Optometry	Arr

CURRICULUM CALENDAR
TWO YEAR PATTERN

Two-Year Pattern

To be considered for admission to the two-year program, applicants must hold (or be candidates for and anticipate receiving by the time of matriculation) a Ph.D. or Sc.D. degree in a study area that relates to optometry; have demonstrated high scholarship in graduate studies; and be highly motivated to enter the profession of optometry. The two-year program is designed to take advantage of the intensive backgrounds of these applicants and their ability for concentrated independent study and previously-developed educational skills.

Admission procedures are the same as those for the four-year program outlined above. Students entering the two-year program are expected to attend a series of interviews at the College to determine their suitability for the study of optometry and to assess their potential contributions to the profession. In initial inquiry letters, interested students should indicate their desire to enter the two-year program. They should note this also on their completed application forms.

First Year

			Performance Credit
July—September			
VS	811	Introduction to Visual Science Assigned Independent Study	10 p.cr.
VS	841	Introduction to Physiological Science	4 p.cr.
		Nervous System	6 p.cr.
VS	851	Introduction to Behavioral Science	8 p.cr.
VS	833	Optometric Optics	15 p.cr.
PC	821	General Optometry (Optometric Tests & Measurements)	6 p.cr.
PC	840	Introduction to Ocular Pathology	6 p.cr.
October—December			
VS	821	Assigned Independent Study Visual Science	5 p.cr.
VS	822	Seminar in Physiological Optics	5 p.cr.
*VS	843	Seminar in Physiological Science	5 p.cr.
*VS	851	Seminar in Behavioral Science	10 p.cr.
PC	822	General Optometry (Seminar in Optometric Diagnosis and Treatment; Clinic)	8 p.cr.

* Attendance in these seminars optional. Credits given upon successful completion of comprehensive examination.

January—March			
VS	823	Seminar in Physiological Optics	15 p.cr.
VS	825	Research in Physiological Optics	5 p.cr.
PC	823	General Optometry (Seminar in Optometric Patient Care; Seminar in Contact Lenses: Clinic)	10 p.cr.
PC	841	Clinical Pathology	4 p.cr.
April—May			
PC	824	General Optometry (Seminar in Contact Lenses; Seminar in Ophthalmic Optics; Clinic)	4 p.cr.

PC	831	Social Optometry (Seminar)	5 p.cr.
PC	842	Clinical Pathology (Seminar)	4 p.cr.

May—June

		General Clinic Full-time Second Year	4 p.cr.

July—September

PC	832	Social Optometry	7 p.cr.
PC	843	Clinical Pathology	4 p.cr.
PC	861	Rehabilitative Optometry (Seminar)	12 p.cr.
PC	851	Pediatric Optometry (Seminar)	12 p.cr.

September—December

PC-VS	600	Visual Science/Patient Care (Seminar)	5 p.cr.
PC-VS	605	Clinical Pharmacology	5 p.cr.
PC	631	Social Optometry	3 p.cr.
VS	660	Environmental Vision	3 p.cr.
		Electives	4 p.cr.

January—March

PC	622	Twelve Weeks Clinic (General)	8 p.cr.

March—June

PC	642	Twelve Weeks Clinic (Specialty Pathology)	9 p.cr.
PC	652	(Specialty Pediatric)	
PC	662	(Specialty Rehabilitative)	

The two-year program format dictates that evaluation must be a continuous process. Examinations will be given when appropriate and comprehensive examinations with written, practical and oral components will be given several times within the two-year period of study.

From time to time, the Student Affairs Committee may acquire information which may assist professors in helping the student to achieve more effectively. In such instances, the Committee has the responsibility to transmit its findings to the faculty and/or to the appropriate advisor.

EVALUATION OF STUDENT PERFORMANCE

Students are evaluated in terms of their performance, professional attitude and demeanor.

A student will be advanced to the next academic semester or be allowed to repeat a semester only on the decision of the Student Affairs Committee of the Faculty after considering recommendations from the appropriate class faculty. Faculty recommendations usually are made according to the following guidelines: (1) recommended for advancement; (2) recommended for readmission at the same academic level; (3) not recommended for either advancement or readmission. The faculty reserves the right to refuse readmission or promotion to any student who, in their judgment, is unsuited for continued study in the College and/or unsuited as a future optometric practitioner.

Meetings of the faculty who teach students at each level are held periodically. Reports are made concerning students who are performing unsatisfactorily or marginally in any track. All faculty members who have been responsible for course work in which students have participated then make a collective judgment concerning the reasons for the student's poor performance and the likelihood of improvement. This faculty group reports its conclusions and recommendations to the Student Affairs Committee of the faculty. The Student Affairs Committee considers faculty reports and other relevant information and determines what action should be taken.

Students in the three-year program are evaluated during the first calendar year by an ongoing process which involves unscheduled examinations, evaluations in the course of discussion periods, and by comprehensive formal examinations. The comprehensive examinations include both written and oral elements. The written portions of the comprehensive examination are scheduled at the completion of the tracks of study. The purpose of the oral examination is to allow a student to demonstrate his understanding of the inter-relationships of the visual sciences and problems of patient care. During the second and third academic years (when the student will be with third and fourth year classes of the four-year program), the student of the three-year program will be expected to perform at a higher level than his counterparts in the four-year pattern. Also, three-year program students will be expected to engage in additional studies. These may involve reading, library research, and/or laboratory investigation.

SCHOLASTIC EVALUATION REPORTS

Grades are submitted to the Registrar. The grades and their respective interpretations are as follows:

A. . . . Honors
B. . . . Above Average
C. . . . Acceptable Progress
U. . . . Unsatisfactory, requiring re-evaluation to establish permanent grade of "C" or "F"
F. . . . Failure
I. . . . Incomplete
WD. . . . Withdrawal
AUD. . . . Audit

The disposition of grades "U" and "F" shall be:

A. In regard to "U", re-evaluation to establish a permanent grade shall be completed within two months or it automatically becomes a failure. The "U" grade will be recorded on the transcripts as will the new grade. A student who receives two or more "U's" in a semester will be subject to Section B.

B. Any student who receives an "F" will be placed on PROBATION for one semester and be subject to an immediate review of his performance by the Student Affairs Committee.

Fourth year courses, certain other courses and Clinical Requirements will be graded on a "Pass/Fail" system, and the Fail grade becomes subject to item "B" above.

WARNING

Performance generally, or in specific areas, is marginal. A warning indicates that more stringent actions will be taken if performance does not improve.

PROBATION

Performance is unsatisfactory. A student placed on probation is subject to dismissal if, after one semester, he does not show significant improvement.

REFUSAL OF READMISSION

This action is taken when, in the judgement of the faculty, the student is unsuited to study in the College and/or to the future practice of optometry. Students who are denied readmission may exercise their right to appeal to a hearing board set up for this purpose and comprised of representa-

tives of the faculty, student body and administration. An appeal must be submitted in writing within 10 days after the notice of denied readmission. The written request must include a statement which sets forth the basis on which the appeal is to be made. An Appeal Board will be convened within 10 days after the written request from the student is receivd by the Director of Student Affairs. The appealing student has the right to contest appointments to the Appeal Board. The president of the College or his designated representative will serve as chairman of the Appeal Board.

PERFORMANCE CREDITS

With inception of the new two-year academic program, there arises a need for an internally consistent system to designate credits earned. The following discussion pertains to preliminary concepts involved in the design of such a system.

Students in the new two-year program pattern are not given advanced standing, but they must demonstrate proficiency over the same array of content elements as must the student in the four-year program pattern. It is felt that any expression of credit in terms of time spent in program is inappropriate, for it is total exposure to and adequacy of acquisition of knowledge, not the number of hours specifically devoted to formal lecture and laboratory instruction, which have become our criteria of scholastic achievement. This has led us to the concept of performance credit.

Performance credit relates to topical content coverage within a general area of study. In our program, Performance Credits are established within each of ten tracks of study. Because of an approximate proportionality between time spent in acquisition of knowledge and topical content at the undergraduate level, it is not remarkable that there is some loose relationship between performance credit allocation and the semester hour allocation of courses in the four-year curriculum. On the other hand, the ease with which students of the two-year program pattern can assimilate certain types of information renders any clock-hour-related comparison between the four-year and two-year programs almost meaningless. Thus, the system of performance credits provides not only a more realistic index of scope of topical coverage, but it also provides a common base to which the topical content of all programs can be related.

Performance Credits are assigned to the course work within each element of each Track, then aggregated for the Track and finally for the Division. The program at the Massachusetts College of Optometry is divided between subject matter in the Visual Science and the Patient Care Divisions. A student in any of the program patterns at the Massachusetts College of Optometry must earn 100 Performance Credits within each of the two major academic divisions. Although clinical proficiency is not fundamentally of an academic nature and hence is not directly comparable to breadth and depth of didactic exposure, the strong emphasis on clinical work in optometric education dictates that a performance credit allocation must be afforded to clinical activity as is included within the Patient Care curriculum.

Transcripts produced for a student will indicate adequate mastery of content throughout a given body of subject matter by assigning a Performance Credit number that is the same as the required number for that body of material. No student can graduate with less than 200 Performance Credits and these must correspond in distribution to those set forth in the following table.

Visual Science Division
(100 Performance Credits Total)

Title	Number
Physiological Optics	40 p.cr.
Physiological Sciences	15 p.cr.
Behavioral Sciences	18 p.cr.
Optics	15 p.cr.
Environmental Vision	12 p.cr.

Patient Care Division
(100 Performance Credits Total)

Title	Number
General Optometry	40 p.cr.
Clinical Pathology	15 p.cr.
Pediatric Optometry	15 p.cr.
Rehabilitative Optometry	15 p.cr.
Social Optometry	15 p.cr.

The transcript for the student will include descriptive indices of his performance in each of the various tracks of study and additionally may contain qualitative statements about performance in certain cases. The transcripts will include such qualifying statements whenever work has been deemed inadequate. Also, when a student completes his requirements in one or more tracks of study, but not within the time period initially set forth for him to do so, this fact and the presumed reasons therefore will be indicated.

MERIT RATING — HONORS CREDIT

Quality of individual student performance will be evaluated within each of ten tracks of study, representing the five tracks of each of the two primary academic divisions. For purposes of preparing student transcripts, responsible personnel within each track will arrive at a collective judgment of general merit which best reflects aggregate professional opinion as to level of achievement, due attention being given to factors which include background, quality of scholarship, dedication to learning, and breadth and depth of acquired knowledge.

The transcript will show a composite rating for each track of *adequate, superior,* or *outstanding. Adequate performance* in this context implies a quality of performance which nominally meets the standards of completion of total requirements in a given track of study. *Superior performance* is that which is well above that minimum level deemed adequate for the award of the full number of *Performance Credits* in a given track. Outstanding *performance* reflects a truly exceptional quality of achievement.

When appropriate, qualifying statements may be appended to the basic merit rating. Such qualifying statements *must* be appended under certain circumstances, as when a a student fails to complete the required number of Performance Credits "on schedule."

A student will have earned *Honors Credit* in a division if the quality of his work has been rated as outstanding for each of the five tracks of study therein. *Honors Credit* for the degree program will be awarded to the student who earned *Honors Credit* within both the Visual Science and the Patient Care Divisions.

OPTOMETRIC TECHNICIANS' PROGRAM

There is a growing need for trained para-professionals to assist optometrists in their care for the visual needs of their patients. The Massachusetts College of Optometry and Fisher Junior College, both located in the Back Bay area of Boston, jointly offer a two-year program for optometric technicians leading to the Associate in Science degree with a major in Optometric Technicianry.

The required liberal arts and business education is provided by Fisher Junior College and the technical training and education for the optometric technician student is provided by the Massachusetts College of Optometry. Interested students should contact the Director of Admissions, Fisher Junior College, 118 Beacon Street, Boston, Mass. 02116.

The graduate of the optometric technician program will bring to her work intensive technical training in visual science and optometric procedures, plus expertise in secretarial office procedures and substantial study in the liberal arts. All graduates will have had an intensive internship in an optometric clinic or office and will qualify for registration in the American Optometric Association as an optometric technician.

The optometric technician, as a member of a vision care team, will assist the specialist in the conduct and operation of his practice, dealing directly with the patient in such areas as frame styling and selection, fitting and dispensing of prescription spectacles, visual training, instruction in contact lens hygiene and care, and vision screening. This program is accredited by the American Optometric Association.

In addition to the regular two-year pattern of education for students entering the program directly upon graduation from high school, a one-year program exists for students transferring with appropriate college credits. In a concentrated summer program, the transfer student takes the same technical course work that a two-year student would take in the first academic year and then enters the second academic year with students of the two-year pattern.

CURRICULUM CALENDAR

Two-Year Pattern

(offered in collaboration with Fisher Jr. College)

First Year

Fall Semester

En	101	Fundamentals of English	3
Ma	101	Intermediate College Mathematics (or)	3
Ma	103	Advanced College Mathematics	3
*Se	121	Elementary Typewriting (or)	3
*Se	123	Intermediate Typewriting (or)	2
*Se	125	Typewriting Review	1
OP	101	Optometric Procedures	3
OP	103	Ophthalmic Optics	3

*Students taking Se 123 or Se 125 must choose an additional elective the first semester.

Spring Semester

En	102	Fundamentals of English	3
Ma	102	Intermediate College Mathematics (or)	3
Ma	104	Advanced College Mathematics	3
Ps	201	Introduction to Psychology	3
OP	102	Optometric Procedures	3
OP	104	Ophthalmic Dispensing	3

May Internship

Second Year

Fall Semester

Sc	205	Human Anatomy and Physiology	4
Ps	206	Personal and Group Communications	3
OP	203	Clinical Practice	2
Elective in Humanities or Social Science			6

Spring Semester

OP	204	Clinical Practice	4
OP	205	Optometric Office Procedures	3
OP	206	Visual Science	2
*Se	101	Elementary Accounting or elective	3
Elective in Humanities or Social Science			3

May Internship

*If Se 101 has been satisfied by prior education, student will take elective.

Minimum credits required: 60 credits and internships in both first and second years.

May Internship—Four weeks of full-time clinical activity in the MCO General or Specialty Clinics or in the office of a private practicing optometrist.

CURRICULUM CALENDAR

One-Year Pattern

(offered in collaboration with Fisher Jr. College)

Summer

OP	101-102	Optometric Procedures	6
OP	103	Ophthalmic Optics	3
OP	104	Ophthalmic Dispensing	3
*Se	121-125	Typewriting	3, 2, 1

*Equivalent course at another college during summer: part-time

Fall Semester

Sc	205	Human Anatomy and Physiology	4
Ps	206	Personal and Group Communications	3
OP	203	Clinical Practice	
Elective in Humanities, Social Science, or Accounting			6

Spring Semester

OP	206	Visual Science	2
OP	204	Clinical Practice	2
OP	205	Optometric Office Procedures	3
Elective in Humanities or Social Science			3

May Internship—Four weeks of full-time clinical activity in the Massachusetts College of Optometry General or Specialty Clinics or in the office of a private practicing optometrist.

COURSE DESCRIPTIONS

LIBERAL ARTS AND BUSINESS COURSES

En 101-102[1] Fundamentals of English - An integrated study of English as a medium of communication. First semester: interpretative and evaluative reading. A close textual analysis of essays on subjects relevant to contemporary life. Frequent written assignments. Second semester: relationship of language and literature to personal experience. An historical analysis of the literary genres: the novel, the short story, the drama, and poetry. 3 hours a week, both semesters.

Ma 101-102 Intermediate College Mathematics - Prerequisites, two years of high school algebra and one year of geometry. Reviews advanced algebra, including problems involving the processes being studied. The trigonometry consists of a study of angles, right and oblique triangles, and trigonometric identities, with the solution of problems involving these principles. 3 hours a week, both semesters.

[1]Courses with titles other than those beginning with, Op, are part of the regular course offerings of Fisher Junior College.

Se 101 Elementary Accounting - An introductory course in the basic fundamentals and procedures utilized in keeping and understanding business records. Areas concerned are journalizing (including the use of specific journals), posting, ledgers, trial balances, introduction to basic financial statements, banking procedures, petty cash funds, and payroll systems. Notes receivable and notes payable, interest income and interest expense, bad debts, allowances, insurance, depreciation, merchandise accounts and inventories, and a short introduction to data processing terminology and systems. 3 hours a week, either semester.

Se 121-122 Elementary Typewriting - Thorough training in the touch system. Instruction includes letter styles, manuscript typing, reports, rough drafts, tabulation. 5 hours a week, both semesters.

Se 123-124 Intermediate Typewriting - Prerequisite, Se 121-122 or equivalent. Review of fundamentals. Instruction including the writing of letters and manuscripts, tabulation, business forms, etc. 3 hours a week, both semesters.

Ps 206 Personal and Group Communications - Techniques, methods, and theory of personal and group communications, with stress on the application of interaction, process analysis, sociometry, and problems of the role, function and responsibilities of the behavioral scientist. 3 hours a week, second semester.

Sc 205 Human Anatomy and Physiology - The structure and function of the human body with emphasis on the neurophysiology and circulatory system of the head and neck. Emphasis on the physiology of sensory modalities and their relationship to vision. Laboratory exercises and demonstrations coordinated with the classroom lectures. 3 hours of lectures, 2 hours of laboratory a week, 1 semester. Course is designed for optometric technician students.

Op 101-2 Optometric Procedures - A general introduction to the profession of optometry, including its history and future, terminology, instrumentation, and technical procedures. Two hours lecture, four hour laboratory a week, both semesters. 6

Op 103 Ophthalmic Optics - The basic optical theory of ophthalmic lenses and optical instruments. The procedures involved in the fitting, adjusting, and repairing of ophthalmic prescriptions is presented as well as the ordering and verification of corrective lenses. Two

hours lecture, four hours laboratory a week, first semester. 3

Op 104 Ophthalmic Dispensing - The procedures involved in the dispensing of ophthalmic prescriptions. Emphasis is placed on the cosmetic selection of frames based on the compatibility of the frame with a patient's prescription, coloring, and facial features. Two hours lecture, four hours laboratory a week, second semester. 3

Op 203-4 Clinical Practice - The clinical application of procedures taught in OP 101-2 and OP 104. Direct patient management, visual screening and dispensing in the general and specialty clinics are performed by the technician. Hours to be assigned, both semesters. 6

Op 205 Optometric Office Procedures - The many facets of office management including record keeping, finances, patient management. Three hours lecture a week, second semester. 3

Op 206 Visual Science - The anatomy and physiology of the eye relative to clinical techniques as well as the basic principles of monocular and binocular vision. Lectures are supplemented by demonstration sessions. Two hours lecture a week, second semester. 2

Photograph by Rodney Gutner, O.D.

OTHER EDUCATIONAL PROGRAMS

Postgraduate Education

(i) **Residency Programs** are being developed in Pediatric and Rehabilitative Optometry for students who have graduated from accredited colleges of optometry. Each residency program will consist of one academic year of educational activity, which includes assigned work (mainly in the form of faculty tutorials), assigned reading, seminars, and extensive clinical activity. Optometrists or graduating students interested in either of these programs should contact the director of the Division of Special Studies.

(ii) **Credit Courses** - Courses for practicing optometrists that carry college credit are presented by the Massachusetts College of Optometry. For example, the course Optometric Pharmacology carries four hours of credit and consists of 54 hours of didactic work and 30 hours of clinical laboratory experience. Similar courses are offerd in Pediatric Optometry, Rehabilitative Optometry, and Ocular Pathology. Students interested in these programs should contact the director of the Division of Special Studies.

Continuing Education

Continuing Education courses in various fields of clinical practice are offered each year to acquaint the optometrist with the newest methods of optometric diagnosis, treatment and therapy. Duration of these courses varies from one-day seminars to one-week clinical workshops. Information concerning these programs is distributed regularly to the optometrists of New England.

EARNED AND HONORARY DEGREES

The Board of Trustees of the Massachusetts College of Optometry is empowered under a charter granted by the Commonwealth of Massachusetts to award the following degrees:

BACHELOR OF SCIENCE IN OPTOMETRY (B.S.)

Those students who, upon admission, have completed a minimum of 60 semester hours or its equivalent, 20 semester hours of which must be in social sciences, 20 hours of which must be in humanities, and none of which may have been applied to a prior baccalaureate degree, may apply for the degree, Bachelor of Science in Optometry. This degree is awarded to such students on the recommendation of the faculty and approval by the Board of Trustees upon successful completion of the first two years of the four-year professional curriculum.

DOCTOR OF OPTOMETRY (O.D.)

The Doctor of Optometry degree is the professional degree and is prerequisite to eligibility for licensure. Students who have completed satisfactorily the professional curriculum in optometry, upon recommendation of the faculty and upon approval by the Board of Trustees, receive the degree, Doctor of Optometry. To earn this degree, the student must have completed successfully the required work in each educational track.

DOCTOR OF OCULAR SCIENCE (D.O.S.)

This is an honorary degree conferred upon those who have rendered distinguished service to the profession of optometry and/or to the field of visual science.

DOCTOR OF HUMANE LETTERS IN OPTOMETRY (H.L.D.)

This is an honorary degree conferred upon individuals who have been outstanding benefactors to the College and/or have rendered distinguished service to the community, state or nation.

SCHOLASTIC AWARDS

At graduation, honors are conferred upon students who have displayed distinguished scholarship in particular branches of didactic and clinical work as well as in the total professional curriculum.

THE VALEDICTORY AWARD is presented by the faculty to that member of the graduating class who has demonstrated the highest scholastic achievement in the professional curriculum.

THE BETA SIGMA KAPPA AWARD, a silver medal, is presented by the Beta Sigma Kappa International Honorary Society to that member of the graduating class who has the most outstanding record of scholarship.

THE ALUMNI ASSOCIATION AWARD, the Alumni Plaque, is presented by the Alumni Association of the College to that member of the graduating class who has demonstrated outstanding scholarship and involvement in the College, as exemplified by his extra-curricular activities.

THE DANIEL KUPERSTEIN MEMORIAL AWARD is presented by the Kuperstein family to the member of the graduating class who has demonstrated the highest scholastic achievement in clinical optics.

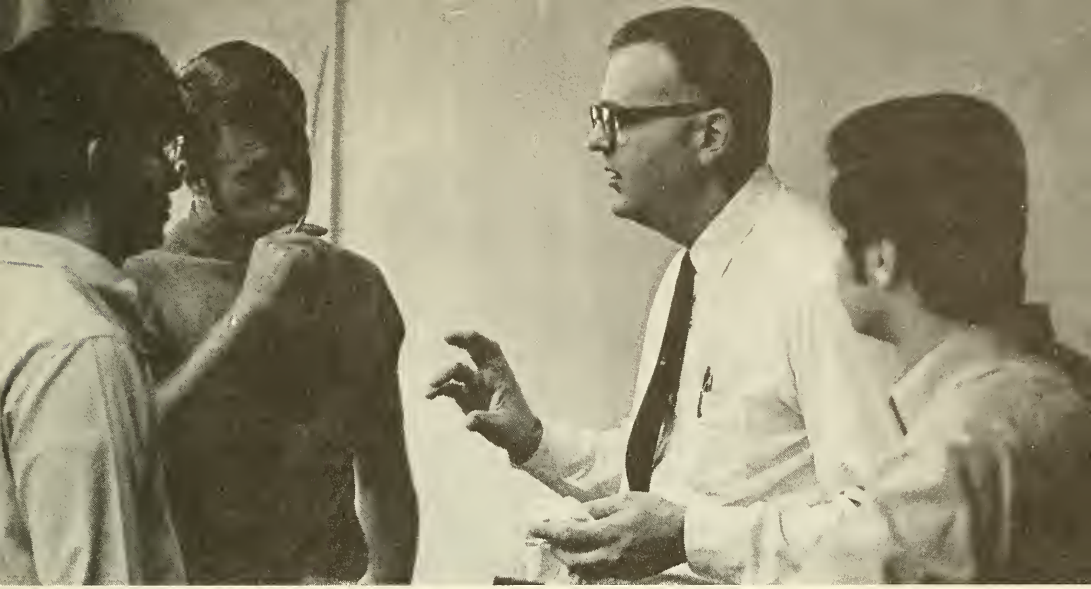
THE RALPH H. GREEN GOLD MEDAL AWARD is presented by Dr. Domenic V. Capone to the member of the graduating class who has demonstrated the highest scholastic achievement in physiological optics.

THE THEODORE F. KLEIN MEMORIAL AWARD is presented by the Board of Trustees to that member of the first year class who demonstrates the highest scholastic achievement in his first professional year.

THE FREDERICK E. FARNUM AWARD is presented to the member of the graduating class who, in the estimation of the Selection Committee, demonstrates the highest degree of proficiency and expertise in contact lens practice.

THE MASSACHUSETTS COLLEGE OF OPTOMETRY CLINIC AWARD This award is presented by the Clinical faculty of the Massachusetts College of Optometry to that member of the graduating class who is judged to have achieved the greatest competence in patient care.

CLASS OF 1970 GIFT FUND. An annual award of $100. to a member of the graduating class selected by majority vote of his classmates.



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William Vaughn, A.B. (Harvard College), Assistant Professor

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Edmund Walkowiak, Ed.M. (Boston University), Ph.D. (University of Connecticut), Professor

Environmental Vision—*Coordinator,* PAUL W. LAPPIN
Paul W. Lappin, O.D., (M.C.O.), M.S., Ph.D. (Indiana University), Associate Professor
Steven Robinson, O.D. (M.C.O.), Lecturer

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Mary Scott, O.D. (M.C.O.), Assistant Professor
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Lawrence May, M.D., (Harvard Medical School)

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Irwin Nathanson, O.D. (M.C.O.). Instructor in Optometry
Jeffrey Nyman, O.D. (M.C.O.), Clinical Instructor
Neal Nyman, O.D. (M.C.O.), Clinical Instructor
Sharad Patel, O.D. (Northampton. London), Adjunct Clinical Instructor
Paul Pease, O.D. (Pennsylvania College of Optometry), Assistant Professor of Physiological Optics
Calvin G. Perry, O.D. (M.C.O.), Assistant Clinical Professor
Abe Pogoda, M.S., M.S.E.E. (Columbia), O.D. (M.C.O.), Assistant Professor of Rehabilitative Optometry
Marc W. Richman, M.D. (Boston University), Assistant Professor of Ophthalmology
Richard Rosenthal, O.D. (M.C.O.), Clinical Instructor
Jeffrey Schaeffer, O.D. (Pennsylvania College of Optometry), M.P.H. (University of North Carolina), Assistant Clinical Professor of Optometry
Clifford Scott, O.D. (M.C.O.), Assistant Clinical Professor
Mary Scott, O.D. (M.C.O.), Assistant Professor of Optometry
Paul Seidel, O.D. (M.C.O.), Instructor in Pediatric Optometry
Gerald Selvin, O.D. (M.C.O.), Clinical Instructor
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Lucille Ulman, Ph.D., Consultant in Psychology
Jon Volovick, O.D. (M.C.O.), Clinical Associate
James Walters, M.A., Ph.D. (Michigan State), Assistant Professor of Physiological Optics
Samuel Wasserman, M.Ed. (Boston University), O.D. (M.C.O.), Associate Professor of Optometry
Paul White, O.D. (M.C.O.), Associate Professor of Optometry
Sidney Wittenberg, M.S. (Columbia), O.D. (M.C.O.), Associate Professor of Optometry

Visiting Lecturers

Robert Bannon, O.D.
Irvin Borish, O.D., L.L.D.
A. Norman Haffner, O.D., Ph.D.
Donald R. Korb, O.D.
Joan E. Korb, O.D.
John R. Levene, O.D., D.Phil.
Lawrence A. May, B.S.
David Miller, M.D.
Michel Millidot, O.D., Ph.D.
Robert Morgan, M.P.H.
Leo H. Riley, M.D.
Harold Silverman, Ph.D.
Carter Tallman, M.D.
Samuel S. Wallace, Ph.D.
Melvin D. Wolfberg, O.D.

STUDENTS 1974-1975 *
FOUR YEAR PROFESSIONAL PROGRAM
SECOND YEAR CLASS

BARRESI, BARRY J.; Fort Kent, Maine
B.A. Holy Cross College, 1973
BENNETT, STEVEN I.; Southfield, Michigan
B.S. Michigan State U., 1972
BODRIE, GREGORY T.; Flint, Michigan
A.B. University of Michigan, 1971
BROOKS, RANDOLPH E.; Smithtown, New York
B.S. SUNY (Albany), 1972
BROWN, CAROL W.; Greenbelt, Maryland
B.S. Central State U., 1968
BROWN, EMERSON E.; Greenbelt, Maryland
B.S., Central State U., 1963
BYRNES, STEPHEN P.; Lowell, Massachusetts
B.A., Holy Cross College, 1968
CABAN, DAVID J.; Waltham, Massachusetts
Boston College
CAFFERY, BARBARA E.; Toronto, Canada
B.A., Carleton University, 1971
CAMPBELL, GARY G.; Belmont, Massachusetts
Univ. of Mass.
CARLSON, NANCY E.; Wallingford, Connecticut
B.S., Central Conn. State C., 1971
CHATMAN, CHARLES S.; Los Angeles, California
B.A., Univ. of Southern Cal., 1973
COHEN, ELLIOT N.; Brooklyn, New York
B.S., Brooklyn College, 1973
COSTA, MARGARET L.; Rumford, Rhode Island
Smith College
COHN, MICHAEL J.; Kenmore, New York
B.A., SUNY (Buffalo), 1972
CROCE, STEVEN A.; N. Providence, Rhode Island
B.S., U. of Rhode Island, 1973
CUMMINGS, TIMOTHY S.; Bethlehem, Pennsylvania
B.A., Williams College, 1970
DEMERS, PAULETTE L.; Weston, Massachusetts
B.A., Regis College, 1973
DENHAM, GLENDA C.; Little Rock, Arkansas
B.A., U. of Florida, 1970
FEINBERG, MICHAEL S.; Brooklyn, New York
B.A., N.Y. University, 1973
FRANKLIN, JOAN; Elmont, New York
SUNY (New Paltz)
FROM, AARON J.; New York, New York
B.S., Brooklyn College, 1973
GILCHRIST, CHARLES P.; Tappahannock, Virginia
B.A., The Citadel, 1971
GOLDBERG, FRED E.; Levittown, Pennsylvania
A.A., Bucks Cnty. Comm. Coll., 1972
GOLDMAN, ARTHUR M.; Framingham, Massachusetts
U. of Connecticut
GUHL, PETER L.; Noank, Connecticut
Ohio State U.

*All entering classes in the four-year, two-year and technician programs are available in the MCO Handbook.

HERTZ, HOWARD L.; Newport, Rhode Island
B.A., Hofstra U., 1972
HOLCOMB, WILLIAM C.; Catonsville, Maryland
U. of Maryland
JANKOLOVITS, MELVIN C.; Flushing, New York
B.A., Queens College, 1973
KAHAN, DOLORES C.; Mattapan, Massachusetts
B.A., Brooklyn College, 1970
M.Ed., Boston State College, 1972
KAISER, KENNETH L.; Quincy, Massachusetts
B.A., U. of Miami, 1971
KNAPP, MAURICE E.; Kingfield, Maine
University of Maine
KNIGHT, CURTIS; Las Vegas, Nevada
University of Nevada
KALUK, MICHAEL A.; Parma, Ohio
B.S., Ohio State U., 1972
M.A., Univ. of Southern Fla., 1973
LEVIN, S. MONTE; Baltimore, Maryland
Univ. of Maryland
LEWIS, ROBERT B. IV; Dorchester, Massachusetts
B.S., Merrimack College, 1970
LUM, ARTHUR B. JR.; Seattle, Washington
U. of Washington
LUPO, LAWRENCE A.; Uniondale, New York
B.A., SUNY (Albany), 1973
MAINVILLE, MARK A.; South Hadley, Massachusetts
B.A., Assumption College, 1972
MANBURG, BARBARA R.; South Euclid, Ohio
U. of Cinncinati
MARDEN, HARRY E.; E. Millinocket, Maine
B.A., U. of Maine, 1972
MARTEL, JEANNE E.; Northbridge, Massachusetts
B.A., Northeastern U., 1971
MARTUS, MAUREEN A.; Marblehead, Massachusetts
Brandeis U.
MASTRACCIO, ALBERT J.; Waltham, Massachusetts
A.B., Colgate U., 1969
M.S., Cornell U., 1971
MINECONZO, GARY A.; Schenectady, New York
B.S., Union College, 1971
NIEMI, PAUL R.; Ferrum, Virginia
B.S., Atlantic Union College, 1964
M.S., Lowell Tech. Inst., 1968
REESE, KARREN L.; Silver Spring, Maryland
B.S., State U. Teachers College, N.Y., 1963
M.A., Columbia University Teachers College, 1968
RIABOY, MARK S.; Syracuse, New York
B.S., SUNY (Albany), 1972
RILEY, JANICE M.; New Bedford, Massachusetts
B.A., Smith College, 1973
ROUSE, MICHAEL W.; Muskegon, Michigan
B.S., Michigan State U., 1973
RUDMIN, GERRARD W.; Plattsburgh, New York
B.A., Bowdoin College, 1973
SAVAGE, PHILIP M.; Caribou, Maine
Univ. of Maine
SCHENDOWICH, CHARLES L.; Wilmington, Delaware
Univ. of Delaware
SCHWARTZ, REBECCA; Port Jefferson, New York
B.S., SUNY (Albany), 1972

SEEFELD, WILLIAM C.; Chappaqua, New York
B.S., Duke University, 1972
SELVIN, RENALEE J.; Boston, Massachusetts
B.S., Boston U., 1971
M.ED., Boston U., 1972
SHERRIN, ROBERT H.; Levittown, New York
U. of Cinncinati
SIEGEL, MARTIN J.; Albertson, New York
B.A., Syracuse U., 1973
SIWOFF, RONALD; Queens Village, New York
B.A., Univ. of Pennsylvania, 1972
TAYLOR, KENNETH P.; Marblehead, Massachusetts
B.A., Gordon College, 1973
THOMAS, GORDON R.; Lakewood, Ohio
B.S., S.E. Mass. Univ., 1970
WEITZ, BERNARD H.; Brooklyn, New York
Brooklyn College
WELLS, BURLLOCK V.; Washington, D.C.
B.A., Hampton Institute, 1969
WILLIAMS, JAMES C.; Flint, Michigan
Michigan State U.
WILSON, DONALD R.; Horseheads, New York
SUNY (Oswego)
WRIGHT, DAVID G.; Lincoln, Rhode Island
B.S., U. of Rhode Island, 1966
M.S., U. of Rhode Island, 1969
ZALAZNICK, STEVEN M.; Buffalo, New York
B.S., SUNY (Buffalo), 1973

THIRD YEAR CLASS

BAKER, ROY E.; Arlington, Massachusetts
B.A., Northeastern University, 1971
BEGUN, KENNETH B.; Branford, Connecticut
University of New Haven
BLUMENTHAL, GAIL; Middle Village, New York
B.A., Hofstra University, 1972
BORTNICK, KENNETH A.; Kensington, Maryland
University of Maryland
BROOKS, MARCEL W.; Johnstown, Pennsylvania
B.S., University of Pittsburgh, 1968
CHIN, TERRY L. N.; Boston, Mass.
B.A., Boston University, 1971
COMMON, KENNETH D.; Westwood, New Jersey
A.B., Rutgers University, 1971
DEXTER, CLARK O.; Keene, New Hampshire
B.A., Keene State University, N.H., 1968
DIXON, LLOYD T.; Statesville, N.C.
M.S., Tenn. State Univ., 1972
DYKE, JR., WILLIAM E.; Stoughton, Mass.
B.S., University of Massachusetts, 1972
FINE, STEPHEN J.; Latham, New York
State University College of Oswego, N.Y.
FITCH, JEFFREY T.; Sagamore Beach, Mass.
B.A., University of Massachusetts, 1968
FRANK, LOUIS A.; Baltimore, Maryland
University of Maryland
FREDDO, THOMAS F.; Bolton, Connecticut
B.A., University of Connecticut, 1971
GENSLER, PAMELA; Columbia, Maryland
Duke University

GODNIG, EDWARD C.; West Islip, New York
Boston College
GREENSTEIN, JAY, S.; Brighton, Mass.
B.S., University of Massachusetts, 1970
HACKMAN, EDMUND T.; Warwick, Rhode Island
B.S., Norwich University, Vt., 1969
HIRSCH, CARL H.; Belleharbor, New York
B.S., University of Vermont, 1972
HOLMES, WILLIAM S.; Dunstable, Mass.
University of New Hampshire
HOOKER, FLOYD B.; Washington, D.C.
B.A., Fisk University, Tenn., 1960
JOSEPH. MAURICE R.; Surfside, Florida
B.A., University of Miami, Fla.
KIONG, LIOE K.; Indonesia
City College, London
KIRSTEIN, ELLIOT M.; Cleveland Heights, Ohio
Ohio State University
KLIBANOFF, DAVID A.; Rumford, Rhode Island
University of Rhode Island
KMETZO, RICHARD W.; Stratford, Connecticut
Stonehill College
KROL, ROBERT E.; New York Mills, New York
Utica College of Syracuse
LEMOINE, JANET C.; Southbridge, Mass.
Boston University
LOPEZ-ENRIQUEZ, HEBE C.; Puetro Rico
College of the Sacred Heart, Puerto Rico
LOSASSO, ANDREW S.; Washington, D.C.
B.S., Georgetown University, 1972
McMAHON, VINCENT P.; Wilmington, Delaware
B.A., University of Delaware
MAIOLO, ROBERT; Brooklyn, New York
B.A., Brooklyn College
MALATESTA, PETER E.; Wilmington, Mass.
B.S., Boston College, 1970
MARDEN, MICHAEL E.; Belfast, Maine
University of Maine
MOROFF, CARL; Queens, New York
B.S., State University of New York, 1972
MOSCOT, ELLIOT; Brooklyn, New York
Brooklyn College
PACKARD, PATRICIA A.; Pittsfield, Mass.
University of Massachusetts
PALYS, AGNES L.; Manchester, New Hampshire
Rivier College, N.H.
PARKER, HENRY J.; Washington, D.C.
B.S., North Carolina State University, 1969
PASAKARNIS, DONALD L.; Weymouth, Mass.
B.A., Northeastern University, 1972
PECORARO, CARL A.; Emerson, New Jersey
B.A., Rutgers University, 1972
PEREZ, FREDY; Portland, Oregon
Pacific University
POLLACK, MARK I.; Troy New York
A.A., Erie County Community College, 1970
POTAZNICK, WALTER L.; Bayside, New York
B.S., Brooklyn Polytech, 1971
PSACHIE, CHARLES R.; Brooklyn, New York
M.A., Brooklyn College, 1971
ROY, RONALD D.; Orono, Maine
B.S., University of Maine, 1972

SAN CLEMENTE, ADELE M.; Braintree, Mass.
Simmons College
SCHARF, LARRY,; Bronx, New York
B.S., C.C.N.Y., 1972
SCHNEIDER, LLOYD E.; Miami Beach, Florida
Ohio State University
SCHWAHL, SANDRA M.; Union, New Jersey
Rutgers University
SHWOM, LEONARD C.; West Roxbury, Mass.
University of Massachusetts
SOLL, DAVID M.; Newton Centre, Mass.
B.A., Yeshiva University, N.Y., 1972
STRUM, MARK S.; Somerset, New Jersey
M.A., Newark State, 1972
TADDONIO, JOSEPH R.; Lynn, Mass.
University of Massachusetts
THOMPSON, ALAN K.; Danvers, Mass.
University of Vermont
VALENTINE, FREDERICK R.; Norwood, Mass.
B.S., University of Rochester, 1972
WITTMAN, NANCY L.; Cambridge, Mass.
University of Colorado
WOSK, JANET F.; Ocean, New Jersey
Clark University
ZIMMERMAN, WARREN; Brooklyn, New York
B.A., Brooklyn College, 1972

FOURTH YEAR CLASS

AGUIAR, LUIS F.; Somerset, Mass.
Southeast Massachusetts University
ARVANITIS, DIMITRA; Bridgeport, Connecticut
Boston University
BARON, AMNON; Long Island, New York
B.E., Hebrew University, Israel, 1968
BLAKE, ROBERT F.; Thompson, Connecticut
B.A., Central Connecticut State College, 1971
BLOOM, FREDERICK H.; Quincy, Mass.
B.S., University of Massachusetts, 1971
BOLDIZAR, GEORGE A.; Wallingford, Connecticut
B.S., University of Connecticut
BUDUAN, ROSEMARY; Palm Springs, Calif.
College of the Desert, University of California
CALDERON, RICHARD M.; Albuquerque, New Mexico
B.S., University of New Mexico, 1970
CHASE, BRUCE D.; Swampscott, Mass.
Suffolk University
COHEN, JAMES S.; Elizabeth, New Jersey
B.S., Rutgers University, 1971
COLSON, LINWOOD, L., III, Guilford, Maine
B.A., University of Maine, 1969
DAVIS, BERNETTA W.; Teaneck, New Jersey
Fisk University, Tenn.
DERESIENSKI, MARK S.; Rocky Hill, Connecticut
A.B., Providence College, 1971
DEXTER, JUDSON K.; Keene, New Hampshire (special audit)
University of New Hampshire
DOTY, ROBERT J.; Shamokin, Pennsylvania
B.S., Albright College, 1971
DUQUETTE, ROBERT P.; Somerset, Mass.
B.S., S. E. Mass. Tech., Inst. 1971

DUTCH, JEFFERY J.; Belfast, Maine
Appalachian State College, N.C.
ENGELMAN, MARK D.; Flint, Michigan
B.S., Michigan State
EPSTEIN, MARC C.; New Hyde Park, New York
B.A., Cornell College, 1970
ERICKSON, RICHARD.; Oakdale, Massachusetts
B.S., Ohio State University, 1970
FARMER, LARRY E.; East Walpole, Mass.
B.A., Colby College, 1971
FREINBERG, DAVID W.; Valatie, New York
B.S., Fairleigh Dickinson, 1971
GOLDMAN, JONATHAN S.; Miami Beach, Florida
B.A., Brooklyn College, 1971
GREENE, LEONARD H.; Framingham, Mass.
B.S., McGill University, 1969
HAMILL, GARY B.; Brooklyn, New York
B.S., Brooklyn College, 1971
HAMMER, STEVEN C.; New York
B.A., Fairleigh Dickinson
HOUGHTON, RICHARD D.; Quincy, Mass.
B.S., Boston State, 1968
JAIRAM, SRINIVAS; India
B.S., New Science College, Hyderabad, India, 1965
KAPLAN, STEVEN M., Pompano Beach, Florida
B.A., Fairleigh Dickinson, 1970
LAUDON, RICHARD D.; Fall River, Mass.
B.A., University of Bridgeport, 1970
LEE, VINCENT; Boston, Mass.
B.A.; Boston University, 1971
LEVENTHAL, ALAN H.; Miami, Florida
University of Florida
LORENTE, RODERICK D.; Lynnfield, Mass.
B.A., Northeastern University, 1971
LUCCIO, JAMES A.; Milton, Mass.
B.S., Boston College, 1971
MAIORANO, WILLIAM S.; Providence, Rhode Island
B.A., University of Rhode Island, 1971
MOORE, BRUCE D.; Yonkers, New York
B.A., Boston University, 1971
MORRILL, JEFFREY L.; Wrentham, Mass.
B.A., University of Massachusetts, 1972
MURRAY, ROBERT; Brockton, Mass.
A.B., Bowdoin, 1971
PALMISANO, JR., DANIEL A.; Cape Elizabeth, Maine
B.A., Adelphi University, 1971
PEDRIS, NELUN; Ceylon
S.M.C., City College of
Further Education, London, 1971
PRIMPAS, WILLIAM C.; Milton, Mass.
A.B., Boston University, 1969
RAPPOPORT, HARVEY D.; Providence, Rhode Island
B.A., Boston University, 1971
ROSS, ALAN M.; Wantagh, New York
B.A., Ohio University, 1971
SACHS, EDWARD G.; Bayside, New York
Hofstra
SCHEIMAN, MITCHELL M.; Brooklyn, New York
Yeshiva University, N.Y.
SHAPIRO, LAWRENCE G.; Flushing, New York
B.A., State University of New York, 1971

SINCLAIR, MARTIN H.; Yorktown Heights, New York
B.A., Adelphi University, 1971
TERRY, THOMAS F.; Windsor, Vermont
B.S., Springfield College, 1971
TURNER, JILL L.; New Rochelle, New York
A.S., Quinnipiac College, 1971
WAGMAN, EDWARD M.; York, Pennsylvania
Ohio State University
WALLINGFORD, RICHARD L.; West Forks, Maine
B.S., University of Maine, 1971
WASSERMAN, NELSON M.; Bronx, New York
B.A., New York University, 1969
WEAST, STEVEN C.; Moran, Kansas
B.A., University of Kansas, 1971
WEINSTOCK, ELLIOT S.; Brooklyn, New York
B.A., Brooklyn College, 1968
WRIGHT, PHILIP G.; Lincoln, Rhode Island
B.S., University of Rhode Island, 1969

THREE YEAR PROFESSIONAL PROGRAM

THIRD YEAR CLASS

BALL, DONALD A.; Detroit, Michigan
M.A., Western Michigan University, 1972
HARRINGTON, ROBERT G., Medford
A.B., Boston University, 1970
OUELLETTE, WILLIAM R.; Brunswick, Maine
M.A., Syracuse University, 1966
SCHIFFMAN, HOWARD G.; Stoughton, Mass.
B.S., University of Pennsylvania, 1965
SOLOMONS, WALTER R.; Willimantic, Connecticut
M.S., University of Rochester, 1972
SZILAGYI, ZSOLT I.; Ossining, New York
M.S., University of Wisconsin, 1963
TERRONE, JAMES J.; New York, N. Y.
M.S., New York University, 1970
UNGER, ROBERT A.; Brooklyn, New York
M.S., Ohio State University, 1972
YAROSH, ROBERT T.; Middlebury, Connecticut
M.S., Northeastern University, 1971

TECHNICIANS PROGRAM
SECOND YEAR CLASS

BLANKFELD, JILL A.; New Haven, Connecticut
BRANCATO, DIANE; Branford, Connecticut
COMPAGNONE, JEANNE L.; E. Boston, Massachusetts
DENAPOLI, DONNA M.; Arlington, Massachusetts
FELDMAN, KAREN B.; Holbrook, Massachusetts
HARDACKER, DAWN G.; Stoneham, Massachusetts
KOSDEN, MICHELE G.; Margate, New Jersey
LEE, CHRISTINE R.; Bolton, Massachusetts
MIRANSKI, INESSA; New Haven, Connecticut
MURPHY, MARIANNE C.; Norwood, Massachusetts
NESTOR, JOAN N.; Salem, Massachusetts
PAWLOWSKI, JO-ANNE E.; Ludlow, Massachusetts
WHITHAM, WANDA; Dedham, Massachusetts
WIK, CHERYL A.; Dedham, Massachusetts
WILDER, DIANE J.; Canton, New York
ZIGMAN, SHARYN E.; Framingham, Massachusetts

TWO YEAR PROFESSIONAL PROGRAM
SECOND YEAR CLASS

BISMUTH, GUY; Brooklyn, New York
Ph.D., University of Paris (South), 1972
GERCHBERG, RALPH; Bottisham, England
Ph.D., University of Kansas, 1970
JAKUBOWSKI, ERNEST; Plymouth, Wisconsin
Ph.D., University of Alberta, 1968
KO, GREGORY, Sonoma, Hong Kong
Ph.D., McGill University, 1969
LIPPARELLI, MICHAEL; Elko, Nevada
Ph.D., Oregon State, 1970
NAGARAJ, SUBBARAO; Fredericton, New Brunswick
Ph.D., University of New Brunswick, 1970
ROSEN, ARTHUR; Framingham, Massachusetts
Ph.D., University of Rochester, 1968
WATSKY, MELVIN; Oak Ridge, Tennessee
Ph.D., University of Tennessee, 1970
YEH, GEORGE; St. Laurent, Quebec
Ph.D., York University, 1972
YOLTON, ROBERT; Austin, Texas
Ph.D., University of Texas, 1973
ZACHARIA, THEODORE; Arlington, Virginia
Ph.D., University of Notre Dame, 1968

Administrative Officers of the College

William R. Baldwin, *President*

Joseph Jefferson, *Vice President, and Director of Student Affairs*

Hyman R. Kamens, *Dean of Administration and Acting Director of Continuing Education*

John H. Carter, *Academic Dean and Director, Division of Patient Care*

Edmund Walkowiak, *Director, Institutional Affairs*

Charles F. Mullen, *Director of Clinics*

Jeffrey Schaeffer, *Director of General Clinic and Vision Screening*

Frank Kozol, *Registrar*

Arthur C. Roberts, Jr., *Controller*

Paul Lappin, *Director, Division of Visual Science*

Sidney Wittenberg, *Director, Applied Research Laboratories*

Mary K. Scott, *Director, Optometric Technicianry Program*

F. Eleanor Warner, *Librarian*

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Catalog requests and correspondence related to admission to the college should be directed to:

The Registrar
Massachusetts College of Optometry
424 Beacon Street
Boston, Massachusetts 02115
Box 200
(617) 261-3430

Massachusetts College of Optometry
424 Beacon Street
Boston, Massachusetts 02115

Third Class